



February 26, 2007

Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

# 7-7-46 BTR  
Tribal Surface/Tribal Minerals  
NWSE, Section 7-T4S-R6W  
Duchesne County, Utah

Diana Whitney, Permitting - Petroleum Technician:

Enclosed please find a copy of Bill Barrett Corporation's (BBC) application for permit to drill the above captioned well.

Please contact me at (303) 312-8546 if you need anything additional or have any questions.

Sincerely,

Reed Haddock  
Permit Analyst

Enclosures

RECEIVED  
MAR 02 2007  
DIV. OF OIL, GAS & MINING

1099 18TH STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

5. Lease Serial No.  
**PENDING** BIA-EDA-20G0005608

6. If Indian, Allottee or Tribe Name  
**UTE INDIAN TRIBE**

7. If Unit or CA Agreement, Name and No.  
N/A

8. Lease Name and Well No.  
# 7-7-46 BTR

9. API Well No.  
**Pending** 43013-33565

10. Field and Pool, or Exploratory  
~~WINDCAT~~ Adamant 55

11. Sec., T. R. M. or Blk. and Survey or Area  
**Section 7-T4S-R6W U.S.B.&M.**

12. County or Parish  
**Duchesne**

13. State  
**UT**

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
**BILL BARRETT CORPORATION**

3a. Address **1099 18th Street, Suite 2300 Denver CO 80202** 3b. Phone No. (include area code)  
**(303) 312-8168**

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface **NWSE, 2323' FSL, 2465' FEL, Section 7, T4S, R6W**  
At proposed prod. zone **SWNE, 1980' FNL, 1980' FEL, Section 7, T4S, R6W**

14. Distance in miles and direction from nearest town or post office\*  
**Approximately 14 miles southwest of Duchesne, Utah**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **2323' SHL; 1980' BHL**

16. No. of acres in lease  
**N/A**

17. Spacing Unit dedicated to this well  
**640**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. **None w/in 1 mile**

19. Proposed Depth  
**8731'**

20. BLM/BIA Bond No. on file  
**Nationwide Bond #WYB000040**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**5917' Ungraded Ground**

22. Approximate date work will start\*  
**06/01/2007**

23. Estimated duration  
**45 days**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Reed Haddock*

Name (Printed/Typed)  
**Reed Haddock**

Date  
**02/26/2007**

Title  
**Permit Analyst**

Approved by Signature *Bradley G. Hill*

Name (Printed/Typed)  
**BRADLEY G. HILL**  
Office  
**ENVIRONMENTAL MANAGER**

Date  
**03-14-07**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

Federal Approval of this  
Action is Necessary

Surf

BHL

533695X  
4443404Y  
40.146699  
-110.604427

533839X  
4444194Y  
40.149305  
-110.602711

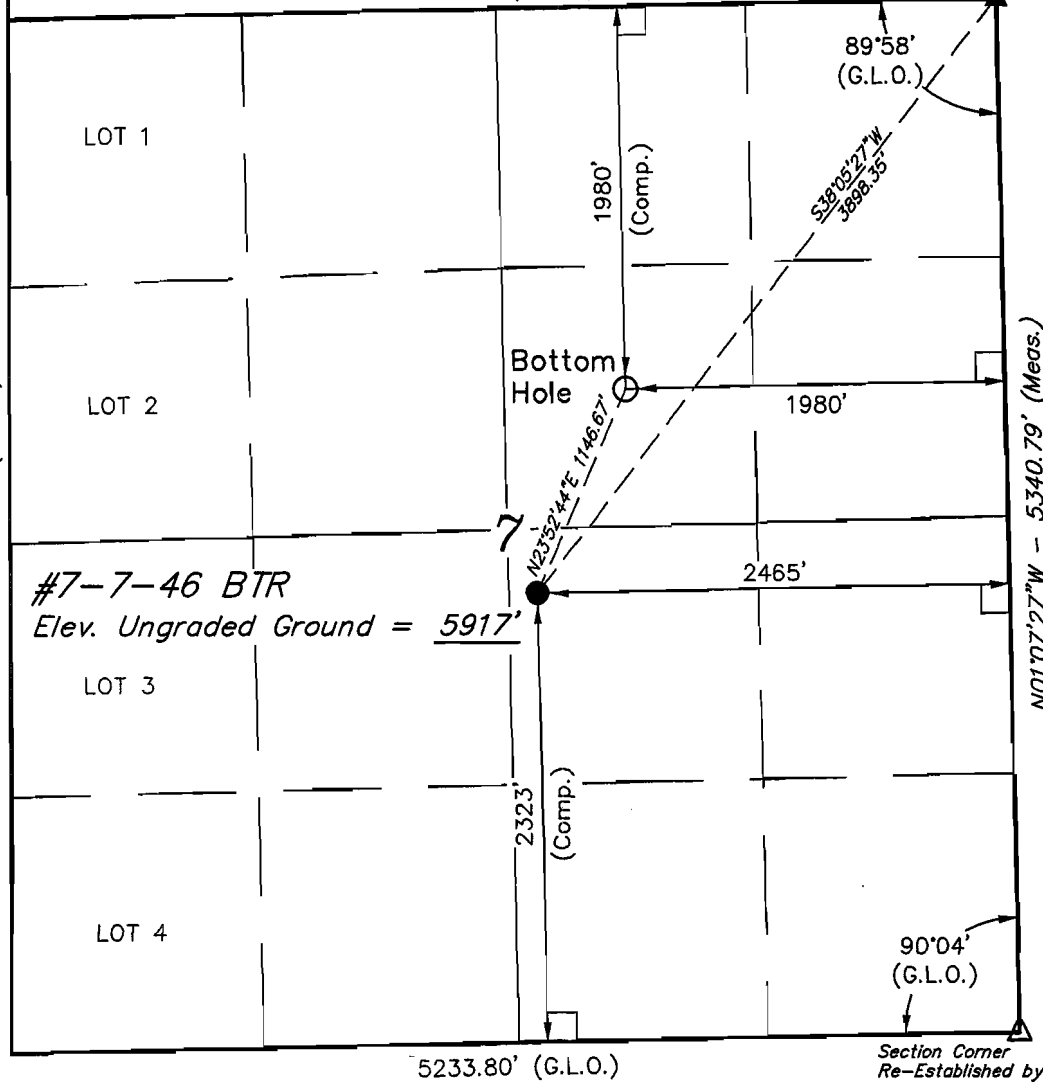
RECEIVED  
MAR 02 2007

DIV. OF OIL, GAS & MINING

R  
7  
W

T4S, R6W, U.S.B.&M.

NORTH - 5280.00' (G.L.O.)



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED.  
(Not Set on Ground)

(NAD 83)  
LATITUDE = 40°08'46.30" (40.146194)  
LONGITUDE = 110°36'17.83" (110.604953)  
(NAD 27)  
LATITUDE = 40°08'46.46" (40.146239)  
LONGITUDE = 110°36'15.27" (110.604242)

BILL BARRETT CORPORATION

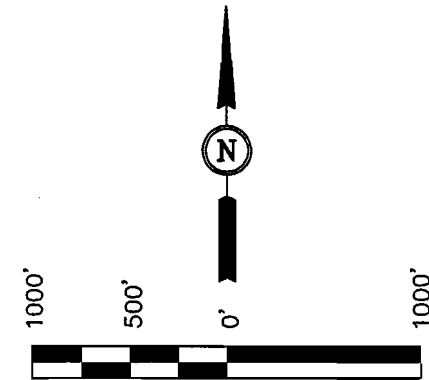
Well location, #7-7-46 BTR, located as shown in the NW 1/4 SE 1/4 of Section 7, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

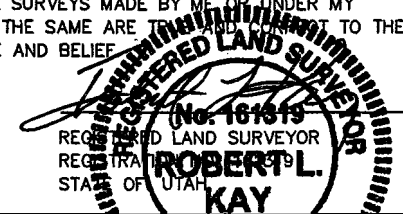
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 02-06-07

UINTAH ENGINEERING & SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-29-07	DATE DRAWN: 02-02-07
PARTY D.R. Q.B. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

## **HAZARDOUS MATERIAL DECLARATION**

WELL NO. # 7-7-46 BTR - LEASE NO. BIA PENDING

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.



## **DRILLING PLAN**

BILL BARRETT CORPORATION  
# 7-7-46 BTR  
NWSE, 2323' FSL & 2465' FEL, Section 7-T4S-R6W  
Duchesne County, Utah

1 - 3. **Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth</u></b>
Duchesne River/Uinta	Surface
Green River	3,444'
Douglas Creek	4,246'
Black Shale	4,929'
Castle Peak	5,214'
Wasatch	5,844' *
North Horn	7,756' *
TD	8,731'

\*PROSPECTIVE PAY

The Wasatch and the North Horn are primary objectives for oil/gas.

4. **Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH (FROM) (TO)</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
12 ¼"	surface	900'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	surface	8,731'	5 ½"	17#	N or I 80	LT&C	New

5. **Cementing Program**

9 5/8" Surface Casing	Approximately 310 sx Halliburton Light Premium with additives mixed at 12.3 ppg (yield = 1.43 ft <sup>3</sup> /sx) circulated to surface with 100% excess
5 ½" Production Casing	Approximately 170 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.81 ft <sup>3</sup> /sx). Approximately 690 sx Halliburton Light Premium Plus cement with additives mixed at 13.5 ppg (yield = 1.58 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 900'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
900' – TD	8.6 – 10.6	42-52	15 cc or less	KCL Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 900'	No pressure control required
900' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 3000 psi;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

8. **Auxiliary equipment**

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

9. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land well bore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

10. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4731 psi\* and maximum anticipated surface pressure equals approximately 2840 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Bill Barrett Corporation  
Drilling Program  
# 7-7-46 BTR  
Duchesne County, Utah

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A - (0.22 x TD)

**11. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

**12. Drilling Schedule**

Location Construction:	Approximately May 15, 2007
Spud:	Approximately June 1, 2007
Duration:	20 days drilling time
	45 days completion time



# **BILL BARRETT CORPORATION**

**1099 18<sup>th</sup> St., Suite 2300  
Denver, CO 80202**

Field: Brundage/Lake Canyon  
Geological Basin: Uinta  
Well Name: General  
Location: Duchesne County, UT

## **KCL Polymer Drilling Fluid Recommendation**

Prepared for: Mr. Dominic Spencer

August 17, 2006

Submitted by:  
Isaac Womack, Tech. Prof., Baroid product service line, Halliburton  
1125 17<sup>th</sup> St., Suite 1900  
Denver, CO 80202  
303.675.4476  
[isaac.womack@Halliburton.com](mailto:isaac.womack@Halliburton.com)

**HALLIBURTON**  
Baroid

Bill Barrett Corporation

T5S R6W

Brundage Canyon

Duchesne County, Utah

## DRILLING PROGRAM BRIEFING

Well total depth : 8,500' TMD

Casing design		<u>Hole Size</u>	<u>Casing</u>	<u>Length</u>
	Surface	12 1/4"	9 5/8"	750'
	Production	7 7/8"	5 1/2"	8500'

\*Fluid density : 8.3 - 9.0 ppg from 0' to 750'  
8.6 - 10.0 ppg from 750' to 8500'

NOTE: Data taken from off-set wells in Duchesne County, UT

\*The drilling fluid density schedule is intended as a guideline only. Actual drilling fluid densities should be determined by well bore conditions and drilling parameters.

Estimated drilling days : 0' to 750' = 2 days (12 1/4" Hole)  
750' to 8,500' = 16days (7 7/8" Hole)

Total = 18 days

Drilling fluid systems : 0' to 750' - Freshwater Spud Mud  
750' to 8,500' - KCL Polymer

Solids control equipment : 0' - 8,500'  
- Two Shale Shakers  
- Desander / Desilter / Degasser  
- One High Speed Centrifuge  
(if available)

Est. total drilling fluid cost: \$ 17,219.00

**HALLIBURTON**  
**Baroid**

**DRILLING FLUID PROGRAM SUMMARY**

The following drilling fluid systems are proposed for the Brundage Canyon well:

HOLE SIZE (in.)	DRILLING FLUID SYSTEM	FLUID DENSITY (ppg)	INTERVAL LENGTH  FROM - TO
12 1/4"	Freshwater spud mud fluid system	8.3 - 9.0	0' to 750'
8 3/4"	KCL Polymer fluid system	8.6 - 10.6	750' to 8,500'

**12 1/4" Hole Section ( 0' to 750' TMD )**

A freshwater spud mud drilling fluid system is recommended to drill this interval. Drill out conductor casing shoe with freshwater using additions of AQUAGEL and EZ-MUD to maintain fluid properties, as well as in hi-vi sweeps to facilitate hole cleaning. Pump BARACARB (25/50)/ sawdust sweeps prior to tripping out of the hole. Monitor the drill-string for tight connections. Expect minor to severe lost circulation in this interval. Pump sweeps of saw dust/ BARACARB at 5-10 ppb for minor seepage and sweeps of N-seal at 5 ppb and saw dust at 10 ppb for more severe losses. When total depth (TD) is reached make a wiper trip to the shoe to "clean up" the well bore, a string of 9 5/8" casing will then be set and cemented back to surface.

**7 7/8" Hole Section ( 750' to 8,500' TMD )**

After drilling the surface hole section, dump all of the drilling fluid used in the surface interval to the reserve pit. Check reserve pit water to make sure it is acceptable to use for drilling fluid.

Mud up with the following:

- .5 lb./bbl N-Vis P
- 2 lb/bbls ZEOGEL
- .5 lb/bbl BARACOR 700 (or phosphates over 1300 ppm (see corrosion program))
- 3% by volume KCL

Maintain 3% KCL in the reserve pit while drilling this section. (add 3.5 ppb for every 1% increase)

Test for % of KCL

((ml of .282 Silver Nitrate added \* 10,000)/3280) = %KCL

\*record and report this concentration on each mud report

Add BARACAT to reserve pit to flocculate out solids. This system should have sufficient YP to keep the hole clean while drilling this interval.

Lost Circulation: Should losses occur while drilling the lateral section add BARACARB (5) OR BARACARB (50) to control. (BARACARB can be acidized) Concentrations of BARACARB will be determined by the losses encountered. Expect increased lost circulation with increases in drilling fluid density. Continue to monitor and record all

Brundage Canyon

Duchesne County, Utah

instances of gas kicks, water flows and lost circulation, adjust mud weight as needed. Sweeps of LUBRA-BEADS may help reduce mechanical torque due to the dog-legs. When lateral has been drilled, circulate the hole clean and run production casing.

Recommended Drilling Fluids Properties							
Drilling Depth (ft)	Fluid Density (lb/gal)	Funnel Viscosity (sec/qt)	API Filtrate (ml)	pH	Plastic Viscosity (cP)	Yield Point (lbs/100ft <sup>2</sup> )	Low Gravity Solids (% by Vol)
0' - 750'	8.3 - 8.8	26 - 36	NC	7.0- 8.5	0 - 15	0 - 24	< 8
Surface casing: 9 5/8" set at 750' TMD							

- ◆ Spud with freshwater. Circulate through a reserve pit **if possible**.
- ◆ Mix 10.0-ppb AQUAGEL, 1.0 ppb EZ MUD, and 0.5-ppb lime in 50 bbl sweeps to improve well bore cleaning.
- ◆ Mix 1.0 gal. EZ-MUD down drill sting on connections for shale inhibition and optimum drill solids removal by the solids control equipment.
- ◆ Mix sweeps of saw dust/ BARACARB(25/50) at 5-10 ppb for minor seepage and N-seal at 5 ppb and saw dust at 10 ppb for more severe losses.
- ◆ If well bore conditions indicate, mud up to a KCL fluid system as indicated in the production interval.

Drilling Depth (ft)	Fluid Density (lb/gal)	Funnel Viscosity (sec/qt)	API Filtrate (ml)	pH	Plastic Viscosity (cP)	Yield Point (lbs/100ft <sup>2</sup> )	Low Gravity Solids (% by Vol)
750' - 8,500'	8.6 - 10.6	42 - 52	<20	10.5- 12.0	0-15	0-20	< 8
Production casing: 5 1/2" set at 8,500' TMD							

- ◆ Drill out the surface casing shoe with KCL Polymer fluid system.
- ◆ Build initial pH with caustic soda then maintain with lime
- ◆ Additions of 0.5-ppb BARAZAN D can be used to enhance the low end rheology for optimum well bore cleaning and a lower solids drilling fluid.
- ◆ For seepage losses sweep the hole with 10.0-ppb BARACARB (25/50) in sweeps.
- ◆ For more severe losses sweep the hole with 5.0-ppb N-SEAL and 10.0-ppb Saw Dust. If losses can't be controlled, spot an 80.0-ppb HYDRO-PLUG pill across the loss zone(s).
- ◆ Spot pills of LUBRA-BREADS and/or TOURQE-LESS for additional torque and drag reduction as needed in dog-legs.



**Bill Barrett Corporation E-bill  
1099 18th Street - Suite 2300  
Denver, Colorado 80202**

Brundage Canyon General

Duchesne County, Utah  
United States of America

## **Cementing Recommendation**

Prepared for: Dominic Spencer  
August 15, 2006  
Version: 1

Submitted by:  
Pat Kundert  
Halliburton Energy Services  
1125 17th Street - Suite 1900  
Denver, Colorado 80202  
+303.886.0839

**HALLIBURTON**



# HALLIBURTON

## Job Recommendation

9 5/8" Intermediate

### Fluid Instructions

Fluid 1: Water Spacer  
Gelled Water Ahead

Fluid Density: 8.33 lbm/gal  
Fluid Volume: 20 bbl

### Fluid 2: Primary Cement

Premium Plus - Type III

94 lbm/sk Premium Plus - Type III (Cement-api)

0.2 % Versaset (Thixotropic Additive)

2 % Calcium Chloride (Accelerator)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 14.50 lbm/gal  
Slurry Yield: 1.43 ft<sup>3</sup>/sk  
Total Mixing Fluid: 6.89 Gal/sk  
Top of Fluid: 0 ft  
Calculated Fill: 750 ft  
Volume: 66.16 bbl  
Calculated Sacks: 259.74 sks  
Proposed Sacks: 260 sks

# HALLIBURTON

## Job Recommendation

## 5 1/2" Production

### Fluid Instructions

Fluid 1: Water Spacer

KCL Water Preflush

Fluid Density: 8.33 lbm/gal  
Fluid Volume: 10 bbl

Fluid 2: Lead Cement – (3500 – 750')

Halliburton Hi-Fill Modified

94 lbm/sk Type 5 Cement (Cement)  
16 % Bentonite (Light Weight Additive)  
0.75 % Econolite (Light Weight Additive)  
7.5 lbm/sk Gilsonite (Lost Circulation Additive)  
2 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)  
3 % Salt (Salt)  
0.2 % HR-7 (Retarder)

Fluid Weight 11 lbm/gal  
Slurry Yield: 3.81 ft<sup>3</sup>/sk  
Total Mixing Fluid: 23 Gal/sk  
Top of Fluid: 750 ft  
Calculated Fill: 2750 ft  
Volume: 106.07 bbl  
Calculated Sacks: 156.32 sks  
Proposed Sacks: 160 sks

Fluid 3: Tail Cement – (TD – 3500')

Halliburton Light Premium Plus (Type 5)

3 % KCL (Clay Control)  
1 % Econolite (Light Weight Additive)  
0.5 % Halad(R)-322 (Low Fluid Loss Control)  
0.6 % HR-5 (Retarder)  
0.25 lbm/sk Flocele (Lost Circulation Additive)  
1 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal  
Slurry Yield: 1.58 ft<sup>3</sup>/sk  
Total Mixing Fluid: 7.77 Gal/sk  
Top of Fluid: 3500 ft  
Calculated Fill: 6000 ft  
Volume: 232.46 bbl  
Calculated Sacks: 826.05 sks  
Proposed Sacks: 830 sks

## # 7-7-46 BTR Proposed Cementing Program

<u>Job Recommendation</u>		<u>Surface Casing</u>	
<b>Lead Cement - (900' - 0')</b>			
Halliburton Light Premium	Fluid Weight:	12.3	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.43	ft <sup>3</sup> /sk
0.25 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	10.6	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	900'	
	Volume:	112.95	bbl
	<b>Proposed Sacks:</b>	<b>310</b>	<b>sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>		
<b>Lead Cement - (3746' - 900')</b>			
Halliburton Hi-Fill Modified	Fluid Weight:	11.0	lbm/gal
16.0% Bentonite	Slurry Yield:	3.81	ft <sup>3</sup> /sk
0.75% Ecpnolite	Total Mixing Fluid:	23.00	Gal/sk
7.5 lbm/sk Gilsonite	Top of Fluid:	900'	
2.0 lbm/sk Granulite TR	Calculated Fill:	2,846'	
3.0% Salt	Volume:	109.77	bbl
0.2% HR-7	<b>Proposed Sacks:</b>	<b>170</b>	<b>sks</b>
<b>Tail Cement - (8731' - 3746')</b>			
Halliburton Light Premium Plus	Fluid Weight:	13.5	lbm/gal
3.0% KCl	Slurry Yield:	1.58	ft <sup>3</sup> /sk
1.0% Econolite	Total Mixing Fluid:	7.77	Gal/sk
0.5% Halad®-322	Top of Fluid:	3,746'	
0.6% HR-5	Calculated Fill:	4,985'	
0.25 lbm/sk Flocele	Volume:	192.29	bbl
1.0 lbm/sk Granulite	<b>Proposed Sacks:</b>	<b>690</b>	<b>sks</b>

We name: **Brundage / Lake Canyon General**  
 Operator: **Bill Barrett Corporation**  
 String type: **Surface**  
 Location: **Duchesne County, UT**

**Design parameters:**

Collapse  
 Mud weight: 8.60 ppg

Design is based on evacuated pipe.

**Minimum design factors:**

Collapse:  
 Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 70.00 °F  
 Bottom hole temperature: 79 °F  
 Temperature gradient: 1.22 °F/100ft  
 Minimum section length: 750 ft

Burst:

Design factor 1.10

Cement top: Surface

Burst

Max anticipated surface pressure: 303 psi  
 Internal gradient: 0.22 psi/ft  
 Calculated BHP 468 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.80 (J)  
 Premium: 1.80 (J)  
 Body yield: 1.80 (B)

Non-directional string.

Tension is based on buoyed weight.  
 Neutral point: 655 ft

**Re subsequent strings:**

Next setting depth: 8,500 ft  
 Next mud weight: 9.700 ppg  
 Next setting BHP: 4,283 psi  
 Fracture mud wt: 12.000 ppg  
 Fracture depth: 750 ft  
 Injection pressure 468 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	750	9.625	36.00	J-55	ST&C	750	750	8.796	53.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	335	2020	6.029	468	3520	7.53	24	394	16.72 J

Prepared Dominic Spencer  
 by: Bill Barrett

Phone: (303) 312-8143  
 FAX: (303) 312-8195

Date: July 21, 2006  
 Denver, Colorado

**Remarks:**

Collapse is based on a vertical depth of 750 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes.  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name: **Brundage / Lake Canyon General**  
 Operator: **Bill Barrett Corporation**  
 String type: **Production**  
 Location: **Duchesne County, UT**

**Design parameters:**

**Collapse**

Mud weight: 9.70 ppg

Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 70.00 °F  
 Bottom hole temperature: 186 °F  
 Temperature gradient: 1.22 °F/100ft  
 Minimum section length: 1,500 ft

**Burst:**

Design factor 1.10

Cement top: 2,000 ft

**Burst**

Max anticipated surface pressure: 2,697 psi  
 Internal gradient: 0.22 psi/ft  
 Calculated BHP 4,787 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 8,103 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9500	5.5	17.00	N-80	LT&C	9500	9500	4.767	327.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4787	6290	1.314	4787	7740	1.62	138	348	2.53 J

Prepared Dominic Spencer  
 by: Bill Barrett

Phone: (303) 312-8143  
 FAX: (303) 312-8195

Date: August 11, 2006  
 Denver, Colorado

**Remarks:**

Collapse is based on a vertical depth of 9500 ft, a mud weight of 9.7 ppg. The casing is considered to be evacuated for collapse purposes.  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

# **I-80 Performance Property Comparison**

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	I-80 Performance Properties					J-55 Performance Properties					N-80 Performance Properties				
			Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet
					Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength	
4.500	9.50	Short	3900	6380	221	138	6930	3310	4380	152	101	5890	3900	6380	221	143	6930
	10.50	Short	4940	6970	241	173	8780	4010	4790	165	132	7000	4940	6970	241	186	8780
	11.60	Long	6350	7780	267	201	9610	4960	5350	184	162	7760	6350	7780	267	223	10680
5.500	14.00	Short	3620	6210	322	234	6440	3120	4270	222	172	5550	3620	6210	322	243	6440
	15.50	Long	4990	7000	361	282	8870	4040	4810	248	217	7180	4990	7000	361	306	8870
	17.00	Long	6280	7740	397	320	10470	4910	5320	273	247	8060	6280	7740	397	348	11170
7.000	20.00	Short	2740	5440	460	320	4870	2270	3740	316	234	4040	2740	5440	460	331	4870
	23.00	Long	3830	6340	532	428	6810	3270	4360	366	313	5810	3830	6340	532	442	6810
	26.00	Long	5410	7240	604	502	9620	4320	4980	415	367	7680	5410	7240	604	519	9620
8.625	24.00	Short	1430	4290	555	337	2540	1370	2950	381	244	2440	1430	4290	555	346	2540
	28.00	Long	2160	4930	636	478	3840	1880	3390	437	348	3340	2160	4930	636	493	3840
	32.00	Long	3050	5710	732	574	5420	2530	3930	503	417	4500	3050	5710	732	591	5420

# **I-80 Dimensions, Torques and Hydro-Test Pressures**

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	Dimensions, inch					Make-Up Torque			Hydro- Test Pressure, psi
			Wall Thickness	Inside Diameter	Drift Diameter	Coupling Outside Diameter	Make-up Loss	Optimum	Minimum	Maximum	
4.500	9.50	Short	0.205	4.090	3.965	5.000	2.000	1380	1040	1730	5800
	10.50	Short	0.224	4.052	3.927	5.000	2.625	1790	1340	2240	6400
	11.60	Long	0.250	4.000	3.875	5.000	3.000	2190	1640	2740	7100
5.500	14.00	Short	0.244	5.012	4.887	6.050	2.875	2340	1760	2930	5700
	15.50	Long	0.275	4.950	4.825	6.050	3.500	2950	2210	3690	6400
	17.00	Long	0.304	4.892	4.767	6.050	3.500	3350	2510	4190	7100
7.000	20.00	Short	0.272	6.456	6.331	7.656	3.125	3200	2400	4000	5000
	23.00	Long	0.317	6.366	6.250	7.656	4.000	4280	3210	5350	5800
	26.00	Long	0.362	6.276	6.151	7.656	4.000	5020	3770	6280	6600
8.625	24.00	Short	0.264	8.097	7.972	9.625	3.000	3370	2530	4210	3900
	28.00	Long	0.304	8.017	7.892	9.625	4.500	4780	3590	5980	4500
	32.00	Long	0.352	7.921	7.875	9.625	4.500	5740	4310	7180	5200

1. API Bulletin 5C3, Sixth Edition, October 1994 was used to determine the listed properties.
2. The vertical set depth was computed using a 9.625 lb. per U.S. gallon mud, and safety factors of 1.125, 1.0 and 1.8 respectively, for collapse, burst and tension.
3. Products are available plain end and with IPSCO's premium connects QB1 and QB2.
4. As a service, IPSCO offers casing string designs upon request.

The information and data contained herein are accurate to our knowledge, based upon standard industry calculations. Buyers are encouraged to make their own evaluations of the above derived performance properties for their particular use. The specific warranty applicable to these goods is as contained in IPSCO's Order Acknowledgment, Conditions of Sale.



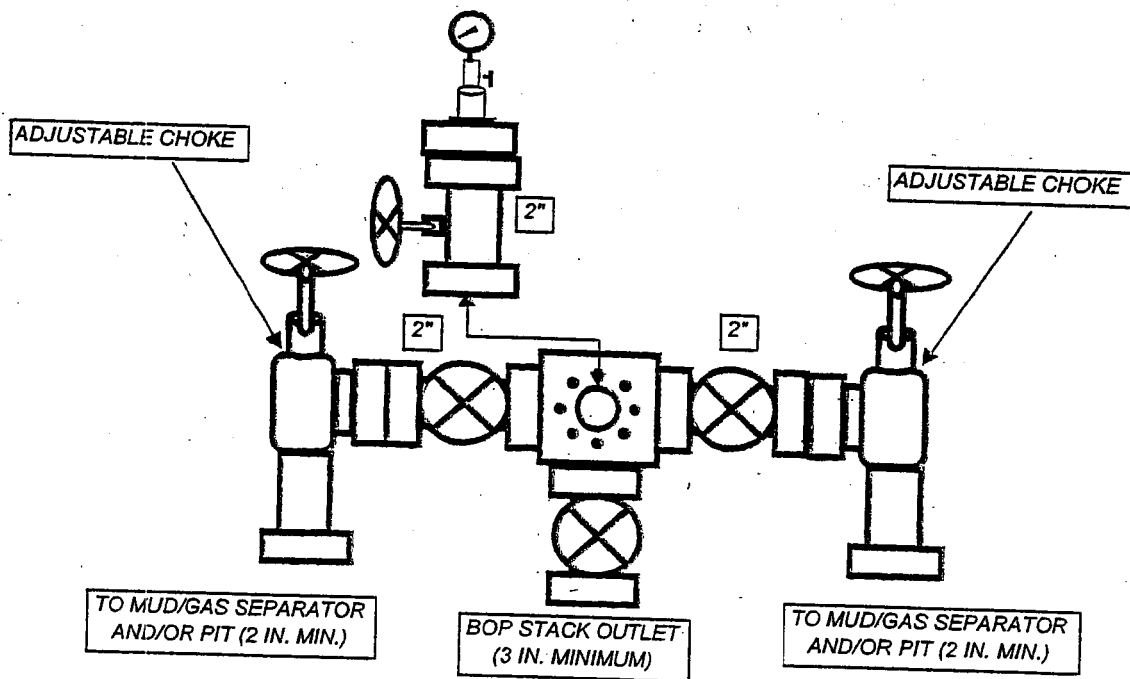
P.O. Box 18  
Camanche, Iowa 52240  
Phone: (563) 242-0000  
Toll Free: 1-800-950-4772

400 505-3rd Street SW  
Calgary, Alberta T2P 3E6  
Phone: (403) 543-8000  
Toll Free: 1-877-780-7560

P.O. Box 1670  
Regina, Saskatchewan S4P 3C7  
Phone: (306) 924-7700  
Toll Free: 1-800-667-1616

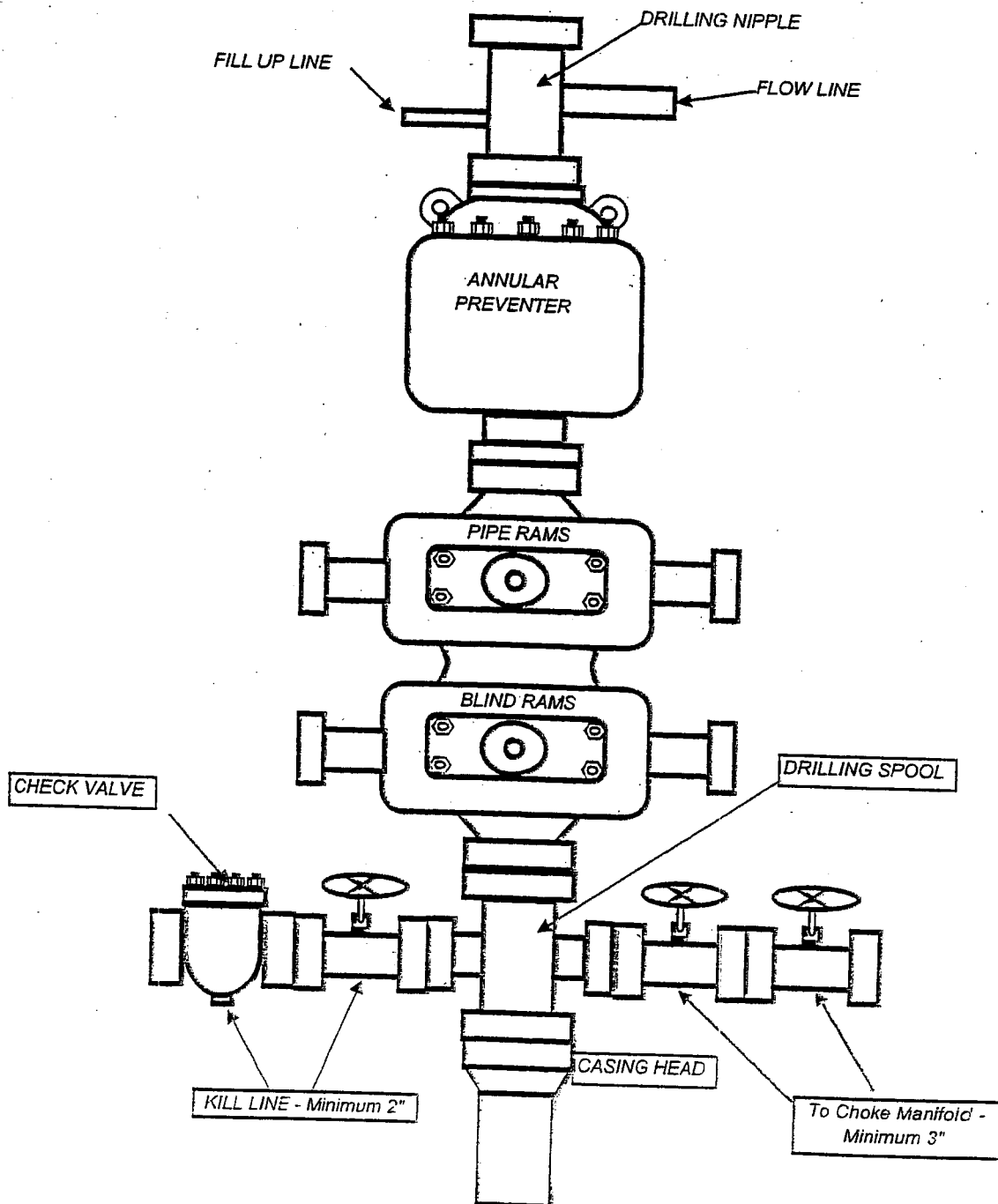
# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. CHOKE MANIFOLD



# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER







# **Weatherford<sup>®</sup>**

## **Drilling Services**

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## **Proposal**

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**Bill Barrett Corporation**

**#7-7-46 BTR**

**DUCHESNE COUNTY, UTAH**

**WELL FILE: PLAN 1**

**FEBRUARY 20, 2007**

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**Weatherford International, Ltd.**  
15710 John F. Kennedy Blvd. Suite 700  
Houston, Texas 77032 USA  
+1.281.260.1300 Main  
+1.281.260.4730 Fax  
[www.weatherford.com](http://www.weatherford.com)

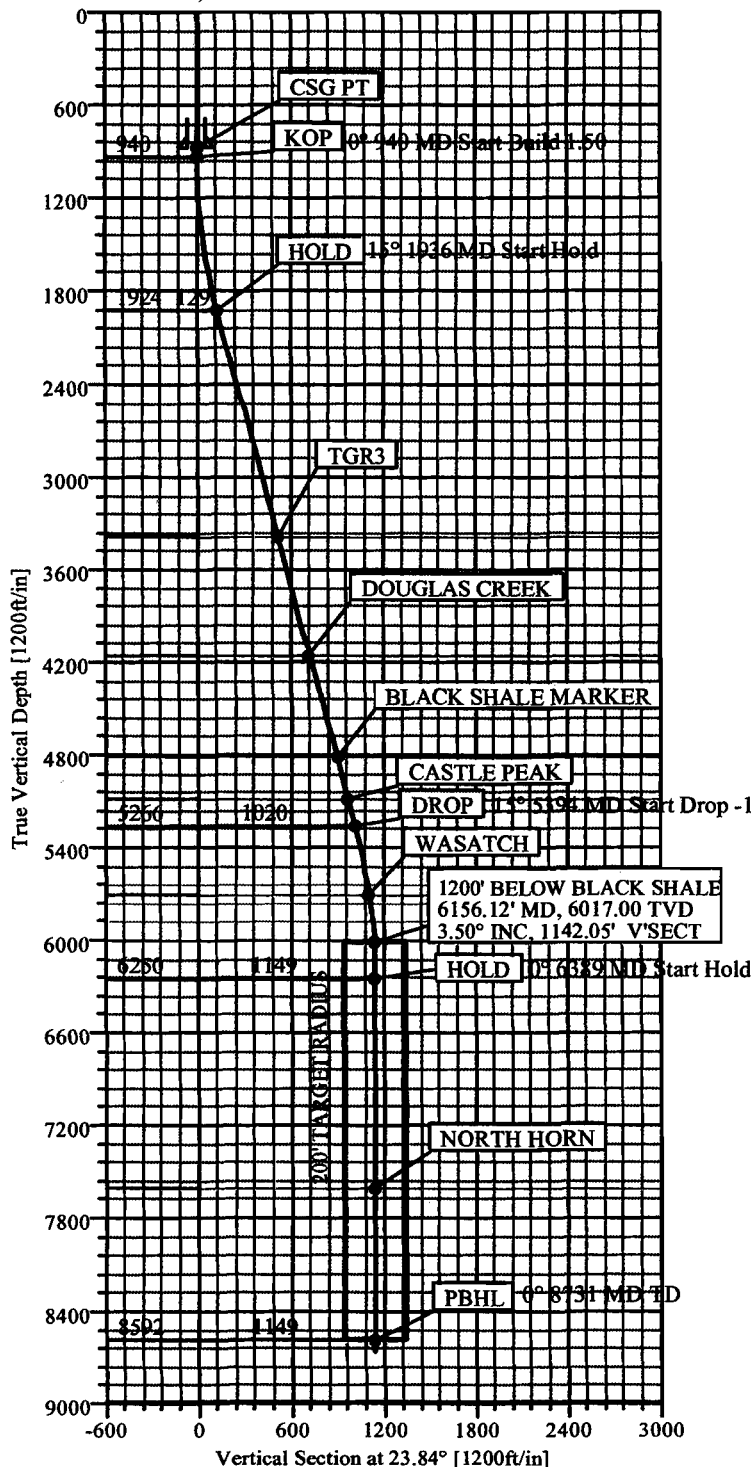


**Bill Barrett Corporation**

#7-7-46 BTR  
SEC 7 T4S R6W  
2323' FSL, 2465' FEL  
DUCESNE COUNTY, UTAH

ASSUMED 15' KB ELEVATION

KB ELEVATION: 5930.30'  
GR ELEVATION: 5915.30'



#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	23.84	0.00	0.00	0.00	0.00	0.00	0.00	
2	940.00	0.00	23.84	940.00	0.00	0.00	0.00	0.00	0.00	KOP
3	1935.56	14.93	23.84	1924.33	118.00	52.14	1.50	23.84	129.01	HOLD
4	5393.70	14.93	23.84	5265.67	933.12	412.33	0.00	0.00	1020.16	DROP
5	6389.26	0.00	23.84	6250.00	1051.12	464.47	1.50	180.00	1149.17	HOLD
6	8731.26	0.00	23.84	8592.00	1051.12	464.47	0.00	23.84	1149.17	PBHL

#### SITE DETAILS

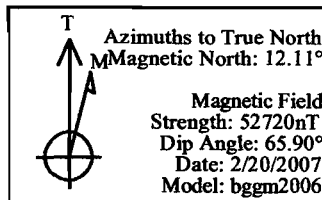
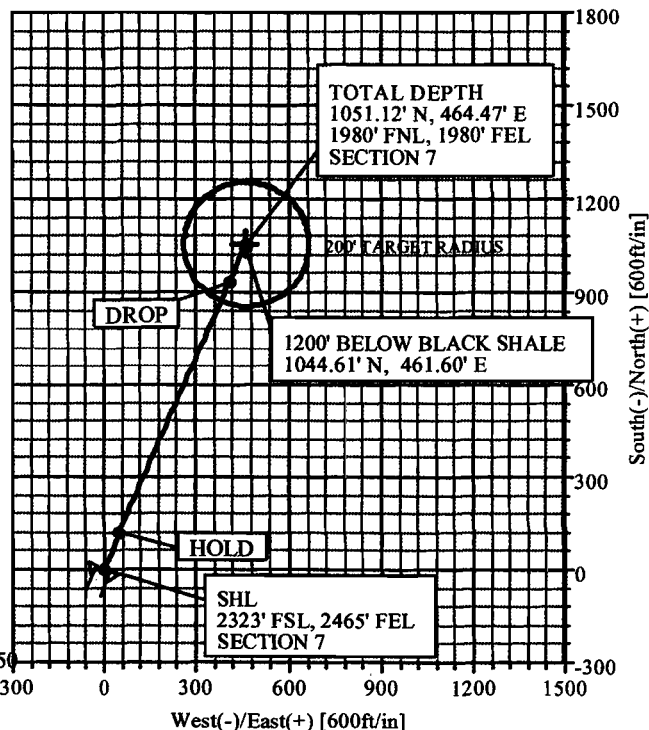
#7-7-46 BTR  
SECTION 7-T4S-R6W  
Site Centre Latitude: 40°08'46.300N  
Longitude: 110°36'17.830W  
Ground Level: 5915.30  
Positional Uncertainty: 0.00  
Convergence: 0.57

#### FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3382.00	3444.19	TGR3
2	4157.00	4246.28	DOUGLAS CREEK
3	4817.00	4929.35	BLACK SHALE MARKER
4	5092.00	5213.96	CASTLE PEAK
5	5707.00	5844.42	WASATCH
6	7617.00	7756.26	NORTH HORN

#### CASING DETAILS

No.	TVD	MD	Name	Size
1	873.00	873.00	CSG PT	0.000



TOTAL CORRECTION TO TRUE NORTH: 12.11°

**Weatherford**

Plan: Plan #1 (7-7-46 BTR/1)

Created By: L WINCHELL

Date: 2/20/2007

# Weatherford Drilling Services

## PROPOSAL PLAN REPORT



**Weatherford**

<b>Company:</b> BILL BARRETT CORP <b>Field:</b> DUCHESNE COUNTY, UTAH <b>Site:</b> #7-7-46 BTR <b>Well:</b> 7-7-46 BTR <b>Wellpath:</b> 1	<b>Date:</b> 2/20/2007 <b>Co-ordinate(NE) Reference:</b> Site: #7-7-46 BTR, True North <b>Vertical (TVD) Reference:</b> SITE 5930.3 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,23.84Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
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**Field:** DUCHESNE COUNTY, UTAH

**Map System:** US State Plane Coordinate System 1983  
**Geo Datum:** GRS 1980  
**Sys Datum:** Mean Sea Level

**Map Zone:** Utah, Central Zone  
**Coordinate System:** Site Centre  
**Geomagnetic Model:** bggm2006

**Site:** #7-7-46 BTR

### SECTION 7-T4S-R6W

<b>Site Position:</b>	<b>Northing:</b> 7223242.33 ft	<b>Latitude:</b> 40 8 46.300 N
<b>From:</b> Geographic	<b>Easting:</b> 1890618.18 ft	<b>Longitude:</b> 110 36 17.830 W
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True
<b>Ground Level:</b> 5915.30 ft		<b>Grid Convergence:</b> 0.57 deg

**Well:** 7-7-46 BTR

**Slot Name:**

2323' FSL 2465' FEL

<b>Well Position:</b>	<b>Northing:</b> 7223242.33 ft	<b>Latitude:</b> 40 8 46.300 N
<b>+N/-S</b> 0.00 ft	<b>Easting:</b> 1890618.18 ft	<b>Longitude:</b> 110 36 17.830 W
<b>+E/-W</b> 0.00 ft		
<b>Position Uncertainty:</b> 0.00 ft		

**Wellpath:** 1

<b>Current Datum:</b> SITE	<b>Height</b> 5930.30 ft	<b>Drilled From:</b> Surface
<b>Magnetic Data:</b> 2/20/2007		<b>Tie-on Depth:</b> 0.00 ft
<b>Field Strength:</b> 52720 nT		<b>Above System Datum:</b> Mean Sea Level
<b>Vertical Section:</b> Depth From (TVD)	<b>+N/-S</b>	<b>Declination:</b> 12.11 deg
ft	ft	<b>Mag Dip Angle:</b> 65.90 deg
		<b>+E/-W</b>
		ft
		<b>Direction</b>
		deg
0.00	0.00	0.00 23.84

**Plan:** Plan #1

**Date Composed:** 2/20/2007  
**Version:** 1  
**Tied-to:** From Surface

**Principal:** Yes

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	23.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
940.00	0.00	23.84	940.00	0.00	0.00	0.00	0.00	0.00	0.00	
1935.56	14.93	23.84	1924.33	118.00	52.14	1.50	1.50	0.00	23.84	
5393.70	14.93	23.84	5265.67	933.12	412.33	0.00	0.00	0.00	0.00	
6389.26	0.00	23.84	6250.00	1051.12	464.47	1.50	-1.50	0.00	180.00	
8731.26	0.00	23.84	8592.00	1051.12	464.47	0.00	0.00	0.00	23.84	PBHL

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
800.00	0.00	23.84	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
873.00	0.00	23.84	873.00	0.00	0.00	0.00	0.00	0.00	0.00	CSG PT
900.00	0.00	23.84	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
940.00	0.00	23.84	940.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
1000.00	0.90	23.84	1000.00	0.43	0.19	0.47	1.50	0.00	1.50	
1100.00	2.40	23.84	1099.95	3.06	1.35	3.35	1.50	0.00	1.50	
1200.00	3.90	23.84	1199.80	8.09	3.58	8.85	1.50	0.00	1.50	
1300.00	5.40	23.84	1299.47	15.51	6.85	16.95	1.50	0.00	1.50	
1400.00	6.90	23.84	1398.89	25.30	11.18	27.66	1.50	0.00	1.50	
1500.00	8.40	23.84	1498.00	37.48	16.56	40.98	1.50	0.00	1.50	
1600.00	9.90	23.84	1596.72	52.03	22.99	56.88	1.50	0.00	1.50	
1700.00	11.40	23.84	1695.00	68.93	30.46	75.36	1.50	0.00	1.50	
1800.00	12.90	23.84	1792.75	88.18	38.96	96.41	1.50	0.00	1.50	
1900.00	14.40	23.84	1889.93	109.76	48.50	120.00	1.50	0.00	1.50	
1935.56	14.93	23.84	1924.33	118.00	52.14	129.01	1.50	0.00	1.50	HOLD

# Weatherford Drilling Services

## PROPOSAL PLAN REPORT



**Weatherford**

Company: BILL BARRETT CORP  
Field: DUCHESNE COUNTY, UTAH  
Site: #7-7-46 BTR  
Well: 7-7-46 BTR  
Wellpath: 1

Date: 2/20/2007 Time: 16:51:50 Page: 2  
Co-ordinate(NE) Reference: Site: #7-7-46 BTR, True North  
Vertical (TVD) Reference: SITE 5930.3  
Section (VS) Reference: Well (0.00N,0.00E,23.84Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
2000.00	14.93	23.84	1986.59	133.19	58.85	145.61	0.00	0.00	0.00	
2100.00	14.93	23.84	2083.21	156.76	69.27	171.38	0.00	0.00	0.00	
2200.00	14.93	23.84	2179.84	180.33	79.69	197.15	0.00	0.00	0.00	
2300.00	14.93	23.84	2276.46	203.90	90.10	222.92	0.00	0.00	0.00	
2400.00	14.93	23.84	2373.08	227.47	100.52	248.69	0.00	0.00	0.00	
2500.00	14.93	23.84	2469.70	251.04	110.93	274.46	0.00	0.00	0.00	
2600.00	14.93	23.84	2566.33	274.62	121.35	300.23	0.00	0.00	0.00	
2700.00	14.93	23.84	2662.95	298.19	131.76	326.00	0.00	0.00	0.00	
2800.00	14.93	23.84	2759.57	321.76	142.18	351.77	0.00	0.00	0.00	
2900.00	14.93	23.84	2856.19	345.33	152.59	377.54	0.00	0.00	0.00	
3000.00	14.93	23.84	2952.82	368.90	163.01	403.31	0.00	0.00	0.00	
3100.00	14.93	23.84	3049.44	392.47	173.43	429.08	0.00	0.00	0.00	
3200.00	14.93	23.84	3146.06	416.04	183.84	454.85	0.00	0.00	0.00	
3300.00	14.93	23.84	3242.68	439.61	194.26	480.62	0.00	0.00	0.00	
3400.00	14.93	23.84	3339.31	463.18	204.67	506.39	0.00	0.00	0.00	
3444.19	14.93	23.84	3382.00	473.60	209.27	517.78	0.00	0.00	0.00	TGR3
3500.00	14.93	23.84	3435.93	486.75	215.09	532.16	0.00	0.00	0.00	
3600.00	14.93	23.84	3532.55	510.33	225.50	557.93	0.00	0.00	0.00	
3700.00	14.93	23.84	3629.17	533.90	235.92	583.70	0.00	0.00	0.00	
3800.00	14.93	23.84	3725.80	557.47	246.33	609.47	0.00	0.00	0.00	
3900.00	14.93	23.84	3822.42	581.04	256.75	635.24	0.00	0.00	0.00	
4000.00	14.93	23.84	3919.04	604.61	267.17	661.01	0.00	0.00	0.00	
4100.00	14.93	23.84	4015.66	628.18	277.58	686.78	0.00	0.00	0.00	
4200.00	14.93	23.84	4112.29	651.75	288.00	712.55	0.00	0.00	0.00	
4246.28	14.93	23.84	4157.00	662.66	292.82	724.47	0.00	0.00	0.00	DOUGLAS CREEK
4300.00	14.93	23.84	4208.91	675.32	298.41	738.32	0.00	0.00	0.00	
4400.00	14.93	23.84	4305.53	698.89	308.83	764.09	0.00	0.00	0.00	
4500.00	14.93	23.84	4402.15	722.46	319.24	789.86	0.00	0.00	0.00	
4600.00	14.93	23.84	4498.78	746.04	329.66	815.63	0.00	0.00	0.00	
4700.00	14.93	23.84	4595.40	769.61	340.07	841.40	0.00	0.00	0.00	
4800.00	14.93	23.84	4692.02	793.18	350.49	867.16	0.00	0.00	0.00	
4900.00	14.93	23.84	4788.64	816.75	360.91	892.93	0.00	0.00	0.00	
4929.35	14.93	23.84	4817.00	823.67	363.96	900.50	0.00	0.00	0.00	BLACK SHALE MARKER
5000.00	14.93	23.84	4885.27	840.32	371.32	918.70	0.00	0.00	0.00	
5100.00	14.93	23.84	4981.89	863.89	381.74	944.47	0.00	0.00	0.00	
5200.00	14.93	23.84	5078.51	887.46	392.15	970.24	0.00	0.00	0.00	
5213.96	14.93	23.84	5092.00	890.75	393.61	973.84	0.00	0.00	0.00	CASTLE PEAK
5300.00	14.93	23.84	5175.14	911.03	402.57	996.01	0.00	0.00	0.00	
5393.70	14.93	23.84	5265.67	933.12	412.33	1020.16	0.00	0.00	0.00	DROP
5400.00	14.84	23.84	5271.76	934.60	412.98	1021.78	-1.50	0.00	1.50	
5500.00	13.34	23.84	5368.75	956.86	422.82	1046.12	-1.50	0.00	1.50	
5600.00	11.84	23.84	5466.34	976.80	431.63	1067.91	-1.50	0.00	1.50	
5700.00	10.34	23.84	5564.47	994.39	439.40	1087.15	-1.50	0.00	1.50	
5800.00	8.84	23.84	5663.07	1009.63	446.14	1103.81	-1.50	0.00	1.50	
5844.42	8.17	23.84	5707.00	1015.64	448.79	1110.37	-1.50	0.00	1.50	WASATCH
5900.00	7.34	23.84	5762.07	1022.50	451.82	1117.88	-1.50	0.00	1.50	
6000.00	5.84	23.84	5861.41	1032.99	456.46	1129.35	-1.50	0.00	1.50	
6100.00	4.34	23.84	5961.01	1041.11	460.05	1138.22	-1.50	0.00	1.50	
6156.12	3.50	23.84	6017.00	1044.61	461.60	1142.05	-1.50	0.00	1.50	1200' TVD BELOW BLACK SHA
6200.00	2.84	23.84	6060.81	1046.83	462.58	1144.48	-1.50	0.00	1.50	
6300.00	1.34	23.84	6160.75	1050.17	464.05	1148.12	-1.50	0.00	1.50	
6389.26	0.00	23.84	6250.00	1051.12	464.47	1149.17	-1.50	0.00	1.50	HOLD
6400.00	0.00	23.84	6260.74	1051.12	464.47	1149.17	0.00	0.00	0.00	

# Weatherford Drilling Services

## PROPOSAL PLAN REPORT



**Weatherford**

Company: BILL BARRETT CORP  
Field: DUCHESNE COUNTY, UTAH  
Site: #7-7-46 BTR  
Well: 7-7-46 BTR  
Wellpath: 1

Date: 2/20/2007 Time: 16:51:50 Page: 3  
Co-ordinate(NE) Reference: Site: #7-7-46 BTR, True North  
Vertical (TVD) Reference: SITE 5930.3  
Section (VS) Reference: Well (0.00N,0.00E,23.84Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
6500.00	0.00	23.84	6360.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
6600.00	0.00	23.84	6460.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
6700.00	0.00	23.84	6560.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
6800.00	0.00	23.84	6660.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
6900.00	0.00	23.84	6760.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7000.00	0.00	23.84	6860.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7100.00	0.00	23.84	6960.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7200.00	0.00	23.84	7060.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7300.00	0.00	23.84	7160.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7400.00	0.00	23.84	7260.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7500.00	0.00	23.84	7360.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7600.00	0.00	23.84	7460.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7700.00	0.00	23.84	7560.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7756.26	0.00	23.84	7617.00	1051.12	464.47	1149.17	0.00	0.00	0.00	NORTH HORN
7800.00	0.00	23.84	7660.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
7900.00	0.00	23.84	7760.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8000.00	0.00	23.84	7860.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8100.00	0.00	23.84	7960.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8200.00	0.00	23.84	8060.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8300.00	0.00	23.84	8160.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8400.00	0.00	23.84	8260.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8500.00	0.00	23.84	8360.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8600.00	0.00	23.84	8460.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8700.00	0.00	23.84	8560.74	1051.12	464.47	1149.17	0.00	0.00	0.00	
8731.26	0.00	23.84	8592.00	1051.12	464.47	1149.17	0.00	0.00	0.00	PBHL

### Annotation

MD ft	TVD ft	
940.00	940.00	KOP
1935.56	1924.33	HOLD
5393.70	5265.67	DROP
6156.12	6017.00	1200' TVD BELOW BLACK SHALE
6389.26	6250.00	HOLD
8731.26	8592.00	PBHL

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3444.19	3382.00	TGR3		0.00	0.00
4246.28	4157.00	DOUGLAS CREEK		0.00	0.00
4929.35	4817.00	BLACK SHALE MARKER		0.00	0.00
5213.96	5092.00	CASTLE PEAK		0.00	0.00
5844.42	5707.00	WASATCH		0.00	0.00
7756.26	7617.00	NORTH HORN		0.00	0.00

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
873.00	873.00	0.000	0.000	CSG PT

# Weatherford\*

**Company:** BILL BARRETT CORP  
**Field:** DUCHESNE COUNTY, UTAH  
**Site:** #7-7-46 BTR  
**Well:** 7-7-46 BTR  
**Wellpath:** 1

**Date:** 2/20/2007      **Time:** 16:51:50      **Page:** 4  
**Co-ordinate(NE) Reference:** Site: #7-7-46 BTR, True North  
**Vertical (TVD) Reference:** SLE 5930.3  
**Section (VS) Reference:** Well (0.00N,0.00E,23.84Azi)  
**Survey Calculation Method:** Minimum Curvature      **Db:** Sybase

## Targets

Name	Description	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
PBHL -Circle (Radius: 200) -Plan hit target			8592.00	1051.12	464.47	7224298.04	1891072.11	40 8 56.688 N	110 36 11.848 W



# BILL BARRETT CORPORATION

#7-7-46 BTR

LOCATED IN DUCHESNE COUNTY, UTAH  
SECTION 7, T4S, R6W, U.S.B.&M.



PHOTO: VIEW FROM LOCATION STAKE TO CORNER #5

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

02 01 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.R.

DRAWN BY: L.K.

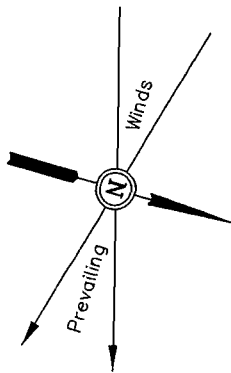
REVISED: 00-00-00

# BILL BARRETT CORPORATION

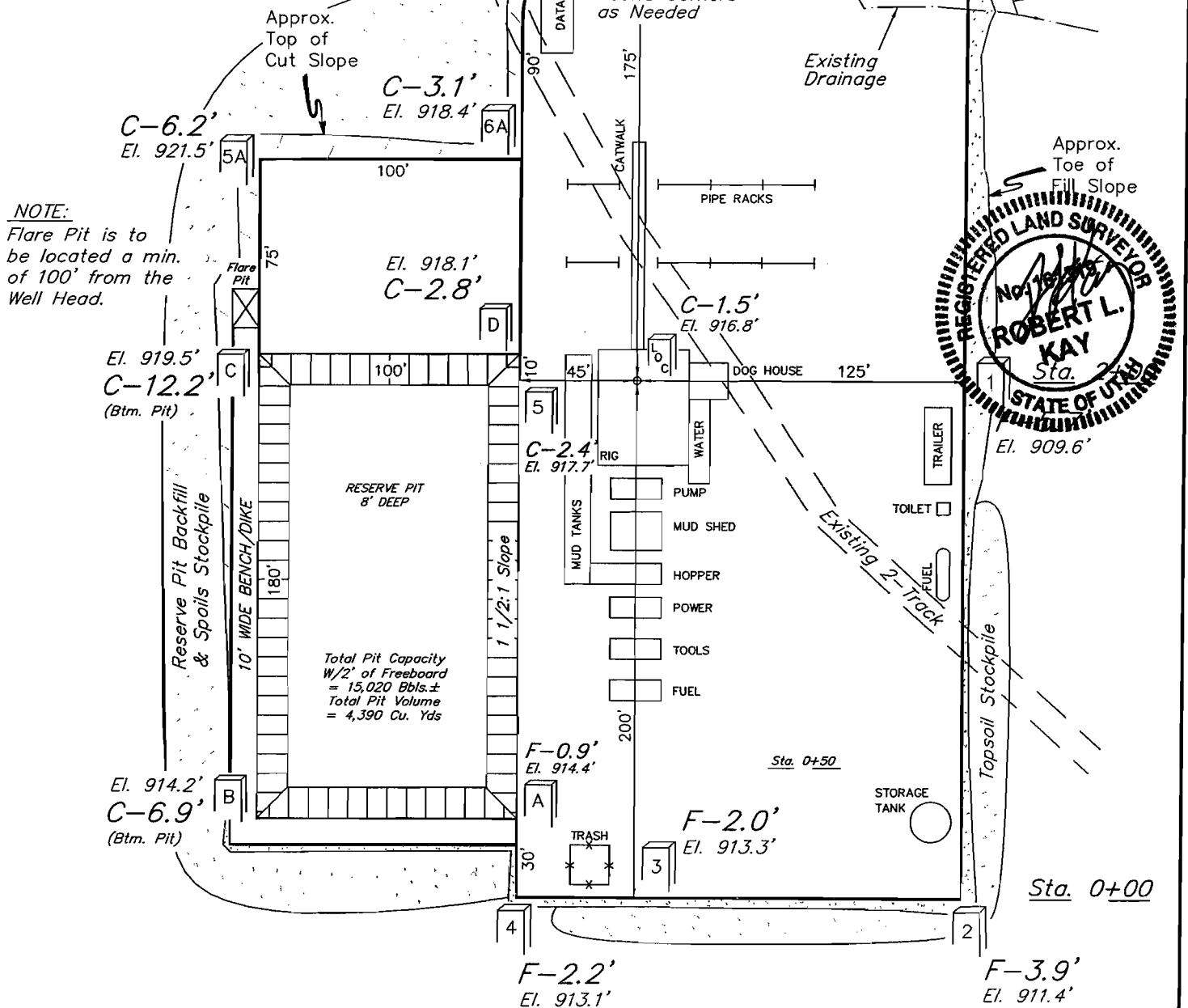
## LOCATION LAYOUT FOR

#7-7-46 BTR  
SECTION 7, T4S, R6W, U.S.B.&M.  
2323' FSL 2465' FEL

FIGURE #1



SCALE: 1" = 60'  
DATE: 02-02-07  
DRAWN BY: P.M.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 5916.8'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5915.3'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# BILL BARRETT CORPORATION

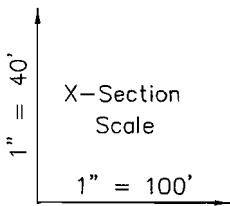
## TYPICAL CROSS SECTIONS FOR

#7-7-46 BTR

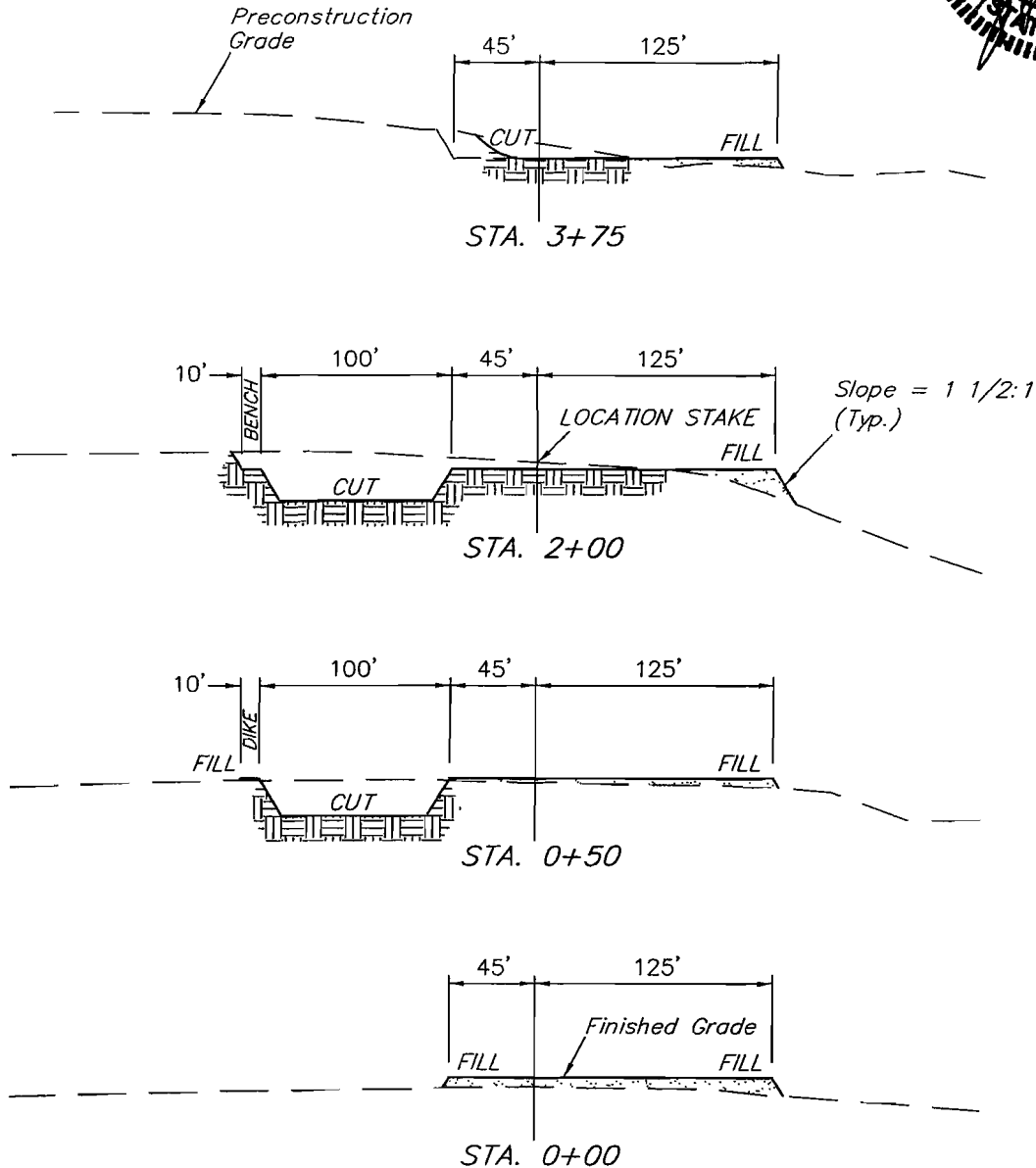
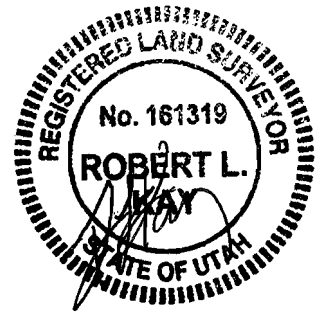
SECTION 7, T4S, R6W, U.S.B.&M.

2323' FSL 2465' FEL

FIGURE #2



DATE: 02-02-07  
DRAWN BY: P.M.



### NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

### \* NOTE:

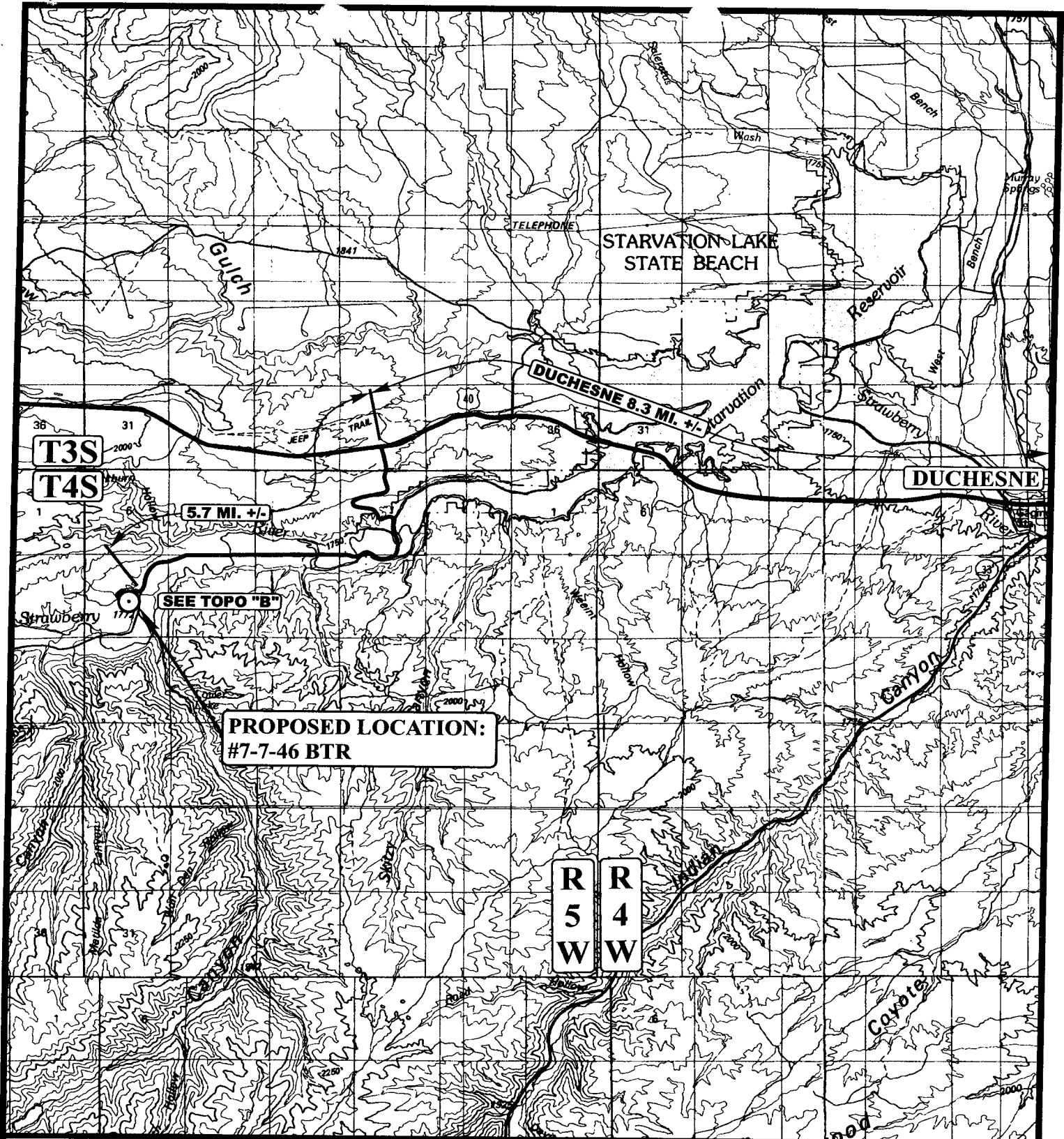
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,770 Cu. Yds.
Remaining Location	= 6,530 Cu. Yds.
TOTAL CUT	= 10,300 CU.YDS.
FILL	= 4,330 CU.YDS.

EXCESS MATERIAL	= 5,970 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,970 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# LEGEND:

○ PROPOSED LOCATION

N

BILL BARRETT CORPORATION

#7-7-46 BTR

SECTION 7, T4S, R6W, U.S.B.&M

2323' FSL 2465' FEL



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
 MAP

02 01 07  
 MONTH DAY YEAR

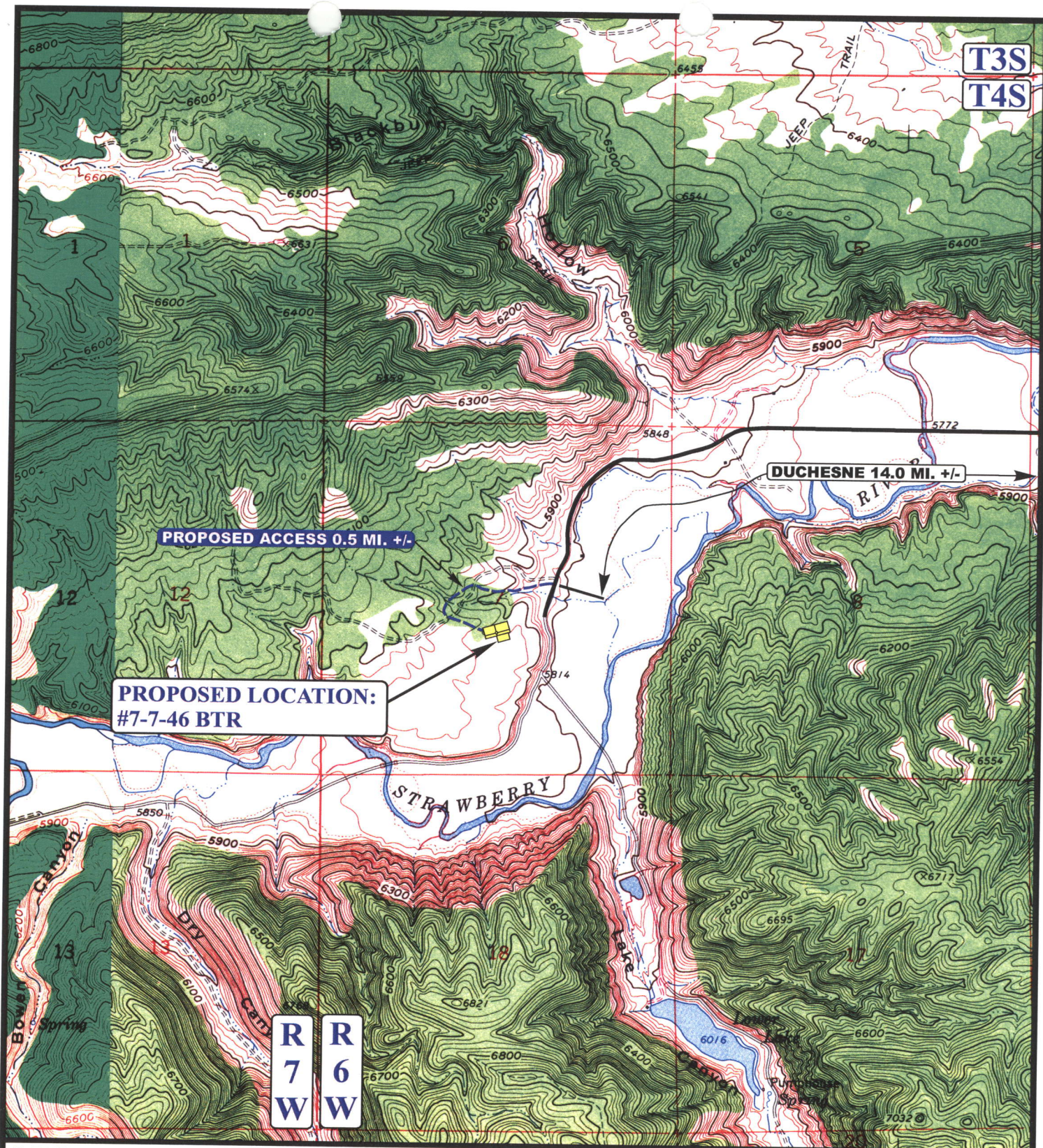
SCALE: 1:100,000

DRAWN BY: L.K.

REVISED: 00-00-00







# **LEGEND:**

— EXISTING ROAD  
 - - - PROPOSED ACCESS ROAD

## **BILL BARRETT CORPORATION**

**#7-7-46 BTR**  
**SECTION 7, T4S, R6W, U.S.B.&M**  
**2323' FSL 2465' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



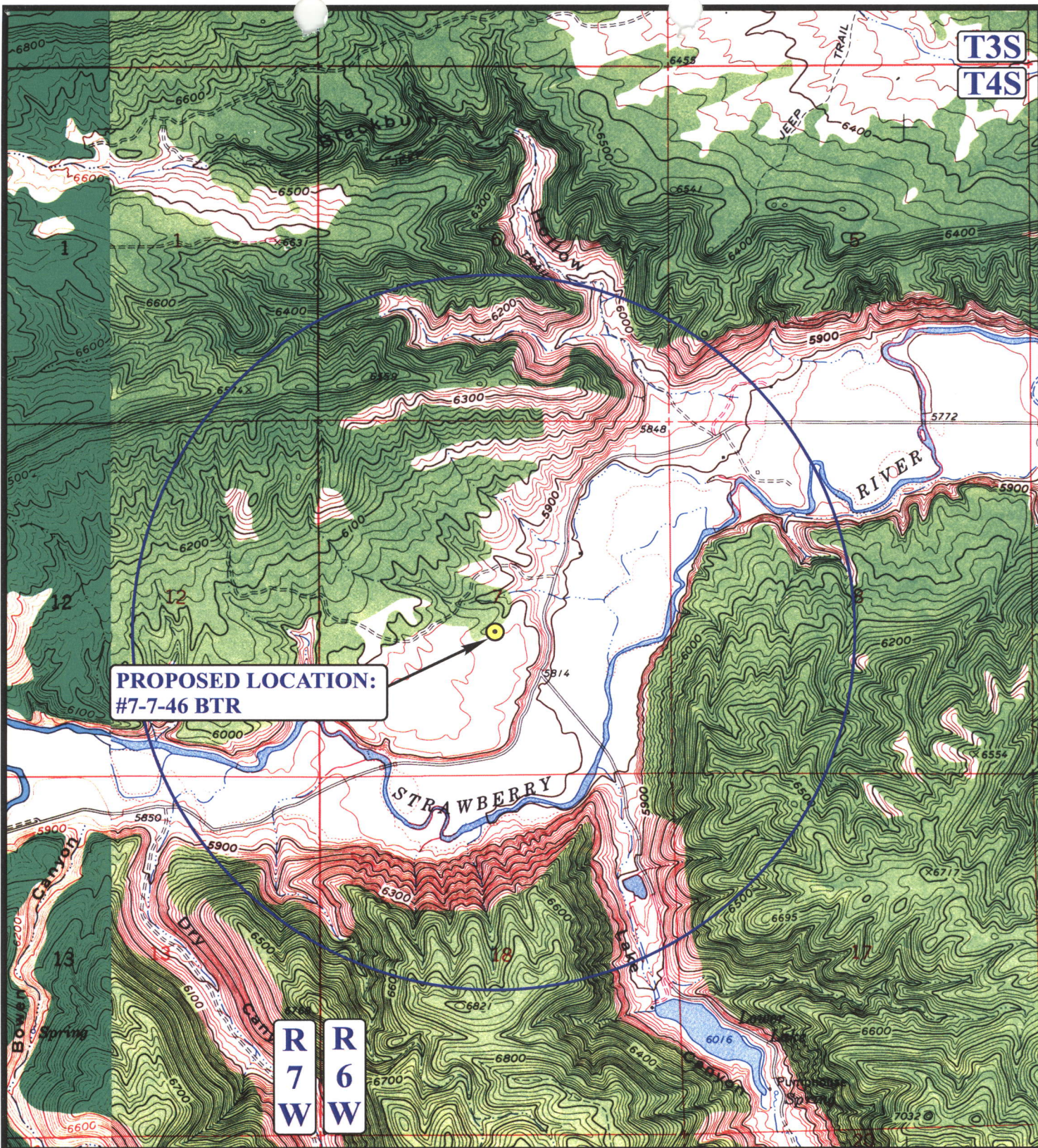
**TOPOGRAPHIC**  
**MAP**

**02 01 07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00







# **LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

## **BILL BARRETT CORPORATION**

**#7-7-46 BTR**  
**SECTION 7, T4S, R6W, U.S.B.&M**  
**2323' FSL 2465' FEL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

**02 01 07**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00





**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/02/2007

API NO. ASSIGNED: 43-013-33565

WELL NAME: 7-7-46BTR

OPERATOR: BILL BARRETT CORP ( N2165 )

PHONE NUMBER: 303-312-8168

CONTACT: REED HANCOCK

**PROPOSED LOCATION:**

NWSE 07 040S 060W

SURFACE: 2323 FSL 2465 FEL

BOTTOM: 1980 FNL 1980 FEL

COUNTY: DUCHESNE

LATITUDE: 40.14670 LONGITUDE: -110.6044

UTM SURF EASTINGS: 533695 NORTHINGS: 4443904

FIELD NAME: ALTAMONT ( 55 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian

LEASE NUMBER: 20G0005608

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: NHORN

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat

☒ Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. WYB0000040 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. MUNICIPAL )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

\_\_\_ R649-2-3.

Unit: \_\_\_\_\_

\_\_\_ R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 139-42

Eff Date: 4-12-1985

Siting: 6600' fr. ext. u. b. d. § 1320' fr. other wells.

☒ R649-3-11. Directional Drill

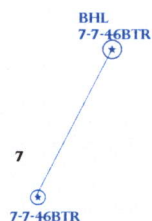
**COMMENTS:**

**STIPULATIONS:**

*1- Federal Approval*

T4S R6W

CAUSE: 139-42 / 4-12-1985



## ALTAMONT FIELD

OPERATOR: BILL BARRETT CORP (N2165)

SEC: 7 T.4S R. 6W

FIELD: ALTAMONT (55)

COUNTY: DUCHESNE

CAUSE: 139-42 / 4-12-1985

**Field Status**

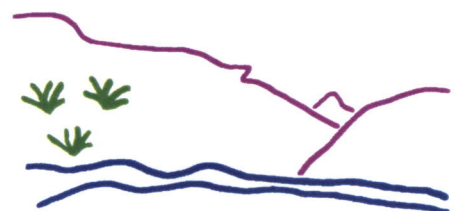
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



*Utah Oil Gas and Mining*



PREPARED BY: DIANA MASON  
DATE: 8-MARCH-2007



**Bill Barrett Corporation**

March 12, 2007

Ms. Diana Mason – Petroleum Technician  
State of Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Blacktail Ridge Area #7-7-46 BTR Well  
Surface: 2323' FSL & 2465' FEL - NWSE, 7-T4S-R6W  
Bottom Hole: 1980' FNL & 1980' FEL - SWNE, 7-T4S-R6W  
Duchesne County, Utah

Dear Ms. Whitney:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-11, pertaining to Directional Drilling and the Location and Siting of Wells.

- The above-mentioned proposed location is within our Lake Canyon Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area and also minimize surface disturbance.
- BBC hereby certifies it owns 100% of the working interest within 460 feet of the entire directional well bore.
- Our ownership rights under our Exploration and Development Agreement with the Ute Indian Tribe and UDC provides for the drilling of exploratory wells. Said agreement provides that we consult with these owners regarding the drilling of this well.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8129.

Sincerely,

Doug Gundry-White  
Senior Landman

**RECEIVED**

**MAR 14 2007**

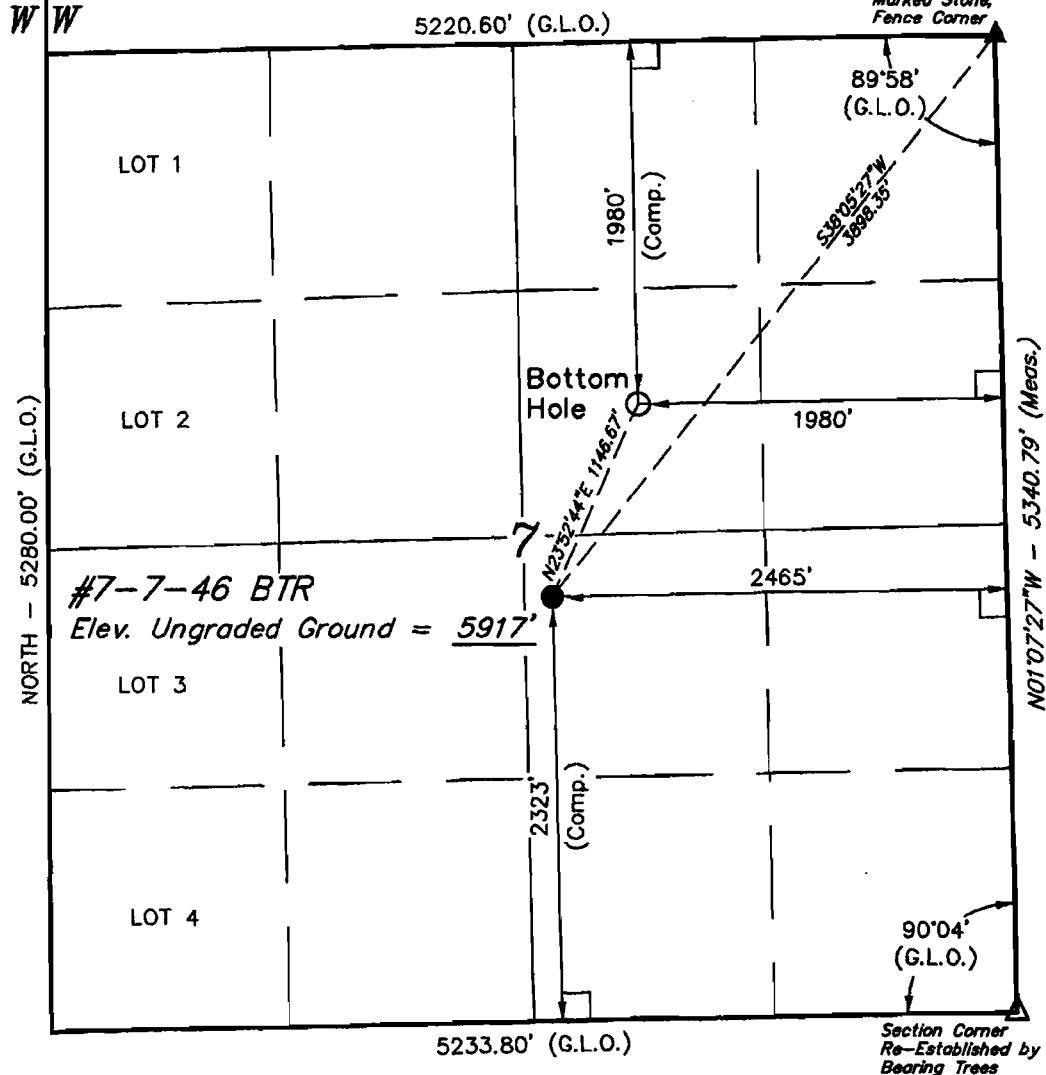
DIV. OF OIL, GAS & MINING

1099 18TH STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420

R  
7  
W

R  
6  
W

T4S, R6W, U.S.B.&M.



**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground)

(NAD 83)  
 LATITUDE = 40°08'46.30" (40.146194)  
 LONGITUDE = 110°36'17.83" (110.604953)  
 (NAD 27)  
 LATITUDE = 40°08'46.46" (40.146239)  
 LONGITUDE = 110°36'15.27" (110.604242)

**BILL BARRETT CORPORATION**

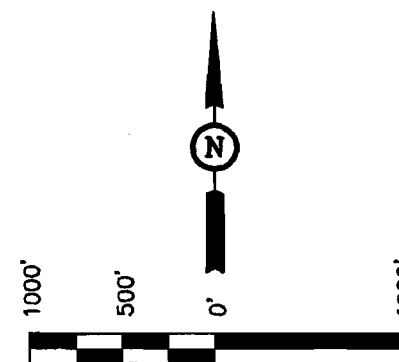
Well location, #7-7-46 BTR, located as shown in the NW 1/4 SE 1/4 of Section 7, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

**BASIS OF ELEVATION**

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

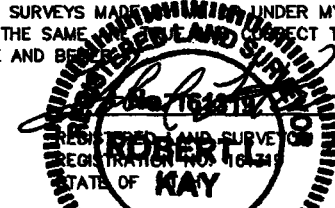
**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE  
 CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY SUPERVISION AND THAT THE SAME ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 02-06-07

**UINTAH ENGINEERING & SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-29-07	DATE DRAWN: 02-02-07
PARTY D.R. Q.B. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 14, 2007

Bill Barrett Corporation  
1099 18th Street, Suite 2300  
Denver, CO 80202

Re: 7-7-46BTR Well, Surface Location 2323' FSL, 2465' FEL, NW SE, Sec. 7,  
T. 4 South, R. 6 West, Bottom Location 1980' FNL, 1980' FEL, SW NE,  
Sec. 7, T. 4 South, R. 6 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33565.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Bill Barrett Corporation  
**Well Name & Number** 7-7-46BTR  
**API Number:** 43-013-33565  
**Lease:** 2OG0005608

**Surface Location:** NW SE      **Sec.** 7      **T.** 4 South      **R.** 6 West  
**Bottom Location:** SW NE      **Sec.** 7      **T.** 4 South      **R.** 6 West

**Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED  
VERNAL FIELD OFFICE  
FEB 28 2007

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

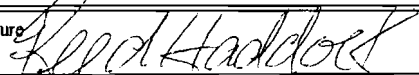
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
BUREAU OF LAND MGMT.  
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>BIA-EDA-2OG0005608</b>
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>UTE INDIAN TRIBE</b>
2. Name of Operator <b>BILL BARRETT CORPORATION</b>		7. If Unit or CA Agreement, Name and No. <b>N/A</b>
3a. Address <b>1099 18th Street, Suite 2300 Denver CO 80202</b>	3b. Phone No. (include area code) <b>(303) 312-8168</b>	8. Lease Name and Well No. <b># 7-7-46 BTR</b>
4. Location of Well (Report location clearly and in accordance with any State requirements*) At surface <b>NWSE, 2323' FSL, 2465' FEL, Section 7, T4S, R6W</b> At proposed prod. zone <b>SWNE, 1980' FNL, 1980' FEL, Section 7, T4S, R6W</b>		9. API Well No. <b>43-013-33565</b>
10. Field and Pool, or Exploratory <b>Altamont</b>		11. Sec., T. R. M. or Blk. and Survey or Area <b>Section 7-T4S-R6W U.S.B.&amp;M.</b>
12. County or Parish <b>Duchesne</b>		13. State <b>UT</b>
14. Distance in miles and direction from nearest town or post office* <b>Approximately 14 miles southwest of Duchesne, Utah</b>		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>2323' SHL; 1980' BHL</b>	16. No. of acres in lease <b>N/A</b>	17. Spacing Unit dedicated to this well <b>640</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>None w/in 1 mile</b>	19. Proposed Depth <b>8731'</b>	20. BLM/BIA Bond No. on file <b>Nationwide Bond #WYB000040</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5917' Ungraded Ground</b>	22. Approximate date work will start* <b>06/01/2007</b>	23. Estimated duration <b>45 days</b>

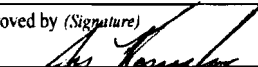
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) <b>Reed Haddock</b>	Date <b>02/26/2007</b>
---	---	---------------------------

Title  
**Permit Analyst**

Approved by (Signature) 	Name (Printed/Typed) <b>JENNIFER KAWOOLA</b>	Date <b>6-21-2007</b>
---	---	--------------------------

Title  
**Assistant Field Manager  
Lands & Mineral Resources**

Office  
**VERNAL FIELD OFFICE**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

JUN 26 2007

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Bill Barrett Corp.  
**Well No:** 7-7-46 BTR  
**API No:** 43-013-33565

**Location:** NWSE, Sec. 7, T4S, R6W  
**Lease No:** 2OG0005608  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	435-828-7368
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

Fax: 435-781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |  |  |
|--|--|
| Location Construction<br>(Notify NRS/Enviro Scientist)                     | - Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify NRS/Enviro Scientist)                       | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)                                 | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Supervisory Petroleum Technician)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Supervisory Petroleum Technician) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Petroleum Engineer)                     | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

- A 2403.31' by 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified shall cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.
- Install culverts as needed along access road.
- Paint tanks Olive Black.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- Use 1" tubing to cement top 100 feet of surface casing with class G neat cement (1.18 cubic feet per sack).
- The top of the production casing cement shall extend a minimum of 200 feet above the 9 5/8 inch surface casing shoe.
- All casing strings below the conductor shall be pressure tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the internal yield strength of the casing.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5

working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.



## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location  $\frac{1}{4}$  Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys,

sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **Bill Barrett Corporation**

3a. Address  
**1099 18th Street, Suite 2300, Denver, CO 80202**

3b. Phone No. (include area code)  
**303-312-8546**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SHL: NWSE, 2323' FSL x 2465' FEL  
BHL: SWNE, 1980' FNL x 1980' FEL**

5. Lease Serial No.  
**BIA-EDA-2OG0005608**

6. If Indian, Allottee or Tribe Name  
**UTE INDIAN TRIBE**

7. If Unit or CA/Agreement, Name and/or No.  
**N/A**

8. Well Name and No.  
**# 7-7-46 BTR**

9. API Well No.  
**43-013-33565**

10. Field and Pool, or Exploratory Area  
**Altamont**

11. County or Parish, State  
**Duchesne County, Utah**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Bill Barrett Corporation (BBC) request approval to deepen the # 7-7-46 BTR well from the originally proposed 8,731' TD to 9,000' TD. Attached find the revised drilling plan for this well.**

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: **07-02-07**

By: **[Signature]**

COPIES SENT TO:  
Date: **7-3-07**  
Initials: **Rm**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Reed Haddock**

Title **Permit Analyst**

Signature

**[Signature: Reed Haddock]**

Date

**06/28/2007**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**JUL 02 2007**

**DIV. OF OIL, GAS & MINING**

Bill Barrett Corporation  
Drilling Program  
# 7-7-46 BTR  
Duchesne County, Utah

**HAZARDOUS MATERIAL DECLARATION**

WELL NO. # 7-7-46 BTR - LEASE NO. BIA 14-20-H62-5500

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

Bill Barrett Corporation  
Drilling Program  
# 7-7-46 BTR  
Duchesne County, Utah

## DRILLING PLAN

BILL BARRETT CORPORATION  
# 7-7-46 BTR

SHL: NWSE, 2323' FSL & 2465' FEL, Section 7-T4S-R6W

BHL: SWNE, 1980' FNL & 1980' FEL, Section 7-T4S-R6W

**Surface Owner: Tribal (Ute Indian Tribe)**

Duchesne County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<u>Formation</u>	<u>Depth</u>
Duchesne River/Uinta	Surface
Green River	3,444'
Douglas Creek	4,246'
Black Shale	4,929'
Castle Peak	5,214'
Wasatch	5,844' *
North Horn	7,756' *
TD	9,000'

**\*PROSPECTIVE PAY**

The Wasatch and the North Horn are primary objectives for oil/gas.

**3. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 900'	No pressure control required
900' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 3000 psi;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
12 ¼"	surface	900'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	surface	9,000'	5 ½"	17#	N or I 80	LT&C	New

5. **Cementing Program**

9 5/8" Surface Casing	Approximately 310 sx Halliburton Light Premium with additives mixed at 12.3 ppg (yield = 1.43 ft <sup>3</sup> /sx) circulated to surface with 100% excess
5 1/2" Production Casing	Approximately 170 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.81 ft <sup>3</sup> /sx). Approximately 730 sx Halliburton Light Premium Plus cement with additives mixed at 13.5 ppg (yield = 1.58 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 900'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
900' – TD	8.6 – 9.4	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4399 psi\* and maximum anticipated surface pressure equals approximately 2419 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

9. **Auxiliary equipment**

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

Bill Barrett Corporation  
Drilling Program  
# 7-7-46 BTR  
Duchesne County, Utah

**10.     Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

**11.     Drilling Schedule**

Location Construction:	Approximately July 15, 2007
Spud:	Approximately August 1, 2007
Duration:	20 days drilling time
	45 days completion time

## # 7-7-46 BTR Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>		
<b>Lead Cement - (900' - 0')</b>			
Halliburton Light Premium	Fluid Weight:	12.3	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.43	ft <sup>3</sup> /sk
0.25 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	10.6	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	900'	
	Volume:	112.95	bbl
	<b>Proposed Sacks:</b>	<b>310</b>	<b>sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>		
<b>Lead Cement - (3746' - 900')</b>			
Halliburton Hi-Fill Modified	Fluid Weight:	11.0	lbm/gal
16.0% Bentonite	Slurry Yield:	3.81	ft <sup>3</sup> /sk
0.75% Ecpnolite	Total Mixing Fluid:	23.00	Gal/sk
7.5 lbm/sk Gilsonite	Top of Fluid:	900'	
2.0 lbm/sk Granulite TR	Calculated Fill:	2,846'	
3.0% Salt	Volume:	109.77	bbl
0.2% HR-7	<b>Proposed Sacks:</b>	<b>170</b>	<b>sks</b>
<b>Tail Cement - (9000' - 3746')</b>			
Halliburton Light Premium Plus	Fluid Weight:	13.5	lbm/gal
3.0% KCl	Slurry Yield:	1.58	ft <sup>3</sup> /sk
1.0% Econolite	Total Mixing Fluid:	7.77	Gal/sk
0.5% Halad®-322	Top of Fluid:	3,746'	
0.6% HR-5	Calculated Fill:	5,254'	
0.25 lbm/sk Flocele	Volume:	202.66	bbl
1.0 lbm/sk Granulite	<b>Proposed Sacks:</b>	<b>730</b>	<b>sks</b>



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202

Operator Account Number: N 2165  
Phone Number: (303) 312-8546

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333565	# 7-7-46 BTR		NWSE	7	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	16261	7/14/2007			7/26/07	
<b>Comments:</b> Spudding Operations will be conducted by Craig Roustabout Service, Inc. on 7/14/2007 @ 8:00am. <u>NHORN = WSTC</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<b>Comments:</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<b>Comments:</b>							

**RECEIVED**  
**JUL 17 2007**

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Reed Haddock  
Name (Please Print)  
Reed Haddock  
Signature  
Permit Analyst  
Title  
Date  
7/13/2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
BIA-EDA-2OG0005608

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

10. Field and Pool or Exploratory Area  
Altamont

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Drilling</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Report
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly drilling report from 9/5/07 - 9/11/2007.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 09/11/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

SEP 13 2007

DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

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Well : #7-7-46 BTR	API # : 43-013-33565	Operations Date : 9/11/2007
Surface Location : NWSE-7-4S-6 W 30th PM	Area : Black Tail Ridge	Report # : 20
Spud Date : 9/5/2007	Days From Spud : 6	Depth At 06:00 : 2762
Morning Operations : TRIP IN HOLE		Estimated Total Depth : 9000

Remarks :

Time To	Description	
10:00 AM	DRLG F/ 1925 TO 2160	287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS
10:30 AM	RIG SERVICE CHECK BOPS	16.60 SOME S-135 X3 G 105 X95 E-75 E375
10:00 PM	DRLG. 2160 TO 2762	FUEL 2877 USED 782 GAL
10:30 PM	CIRC BOTTOM UP PUMP PILL	BOP DRILL 1MIN 90 SEC
12:00 PM	POOH	
2:30 AM	DIR WORK CHANGE GAP SUB & MWD	SAFETY MEETING ON THE DRIVE HOME & GAS KICKS
3:30 AM	TIH 1011	
5:00 AM	DIR WORK	
6:00 AM	TRIP IN HOLE	

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Well : #7-7-46 BTR	API # : 43-013-33565	Operations Date : 9/10/2007
Surface Location : NWSE-7-4S-6 W 30th PM	Area : Black Tail Ridge	Report # : 19
Spud Date : 9/5/2007	Days From Spud : 5	Depth At 06:00 : 1925
Morning Operations : DRLG		Estimated Total Depth : 9000

Remarks :

Time To	Description	
6:30 AM	RIG SERVICE	287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS
7:00 AM	RIG REPAIR ( GRIND ON KELLY )	16.60 SOME S-135 X3 G 105 X95 E-75 E375
7:30 AM	DRLG 1015 TO 1068	FUEL 2877 USED 782 GAL
9:00 AM	POOH F / MWD	BOP DRILL 1MIN 90 SEC
11:00 AM	WORK MWD	
12:00 PM	TRIP IN HOLE	
12:30 PM	BREAK CIRC . SURVEY	
6:00 AM	DRLG F/ 1068 TO 1926	

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Well : #7-7-46 BTR	API # : 43-013-33565	Operations Date : 9/9/2007
Surface Location : NWSE-7-4S-6 W 30th PM	Area : Black Tail Ridge	Report # : 18
Spud Date : 9/5/2007	Days From Spud : 4	Depth At 06:00 : 1015
Morning Operations : DRLG		Estimated Total Depth : 9000

Remarks :

Time To	Description	
2:30 PM	NIPPLE UP & TEST BOPS PIPE & BLIND RAM CHOKE LINES ALL 3000 PSI F/10 MIN ANULAR 1500 PSI 10 MIN CASING 1500 F/30 MIN ALL OK	287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS
4:00 PM	CUT DRLG. LINE	16.60 SOME S-135 X3 G 105 X95 E-75 E375
10:30 PM	PU DIRECTIONAL TOOLS	FUEL 3562 USED 548 GAL
11:30 PM	TRIP IN HOLE	
2:00 AM	DRLG PLUG FLOAT CEMENT SHOE	
5:00 AM	DRLG 912 TO 1006	
5:30 AM	REPAIR RIG ( NEW BUSHING STICKING ON KELLY )	
6:00 AM	DRLG 1006 TO 1015	

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# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/8/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 17
Spud Date : 9/5/2007 Days From Spud : 3		Depth At 06:00 : 912	
Morning Operations : NIPPLE UP BOP		Estimated Total Depth : 9000	
		Remarks :	
		287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS	
		16.60 SOME S-135 X3 G 105 X95 E-75 E375	
		FUEL 4110 USED 411 GAL	
Time To	Description		
7:30 AM	POOH LAY DOWN 8" DCS MOTOR		
11:30 AM	RUN 9 5/8 CASING		
1:00 PM	CEMENT W/ HALIBURTON		
7:00 PM	W.O.C		
6:00 AM	WELD ON HEAD & NIPPLE UP BOPS		
Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/7/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 16
Spud Date : 9/5/2007 Days From Spud : 2		Depth At 06:00 : 912	
Morning Operations : POOH TO RUN 9 5/8 CASING		Estimated Total Depth : 9000	
		Remarks :	
		287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS	
		16.60 SOME S-135 X3 G 105 X95 E-75 E375	
		FUEL 4 521 USED 959 GAL	
		CONTACT BLM @ 11:00 AM OF UP COMING CASING /	
		CEMENT / BOP TEST	
Time To	Description		
7:00 AM	HANG BLOCKS STRAIGHTEN DRLG LINE		
7:30 AM	RIG SERVICE		
10:00 AM	DRLG 256 TO 440		
10:30 AM	DEVIATION SURVEY 370' 3/4 *		
10:30 PM	DRLG 440 TO 836		
11:00 PM	CIRC. & SURVEY 805 2*		
2:30 AM	DRLG 836 TO 912		
3:00 AM	CIRC BOTTOMS UP		
5:00 AM	SHORT TRIP TO DCS		
5:30 AM	CIRC BOTTOMS UP		
6:00 AM	POOH F/ SURFACE CASING		
Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/6/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 15
Spud Date : 9/5/2007 Days From Spud : 1		Depth At 06:00 : 256	
Morning Operations : LD SURFACE JAR		Estimated Total Depth : 9000	
		Remarks :	
		287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS	
		16.60 SOME S-135 X3 G 105 X95 E-75 E375	
		FUEL 5480	
Time To	Description		
10:30 AM	RIG UP		
3:30 PM	DRLG F/ 40 TO 256		
10:30 PM	WORK STUCK PIPE		
2:00 AM	BREAK KELLY BELOW TABLE W O THEN PU XO & PUP		
3:00 AM	FREE POINT STUCK AT 8" DCS		
5:00 AM	PU SURFACE JAR WORK FREE		
6:00 AM	LAY DOWN TOOLS PICK UP KELLY		

# REGULATORY DRILLING SUMMARY



Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/5/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 14
Spud Date : 9/5/2007 Days From Spud : 0		Depth At 06:00 :	
Morning Operations : CHANGE MANAFOLD ON SHAKERS		Estimated Total Depth :	9000
		Remarks :	
		287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS	
		16.60 SOME S-135 X3 G 105 X95 E-75 E375	
Time To	Description	FUEL REC. 4500	
6:00 PM	RIG UP	USED 527 GAL	
6:00 AM	STAND CONDUCTOR WORK ON MANIFOLD ON SHAKER		
Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/4/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 13
Spud Date : 9/5/2007 Days From Spud : 0		Depth At 06:00 :	
Morning Operations : RIG UP		Estimated Total Depth :	9000
		Remarks :	
		287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS	
		16.60 SOME S-135 X3 G 105 X95 E-75 E375	
Time To	Description	CRANE COMING TO SET SHAKES THIS AM	
6:00 AM	RIG UP RAISE DRK. & SUB	WILL GET PASON PHONE TODAY	
		DIESEL 1918 GAL	
Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/3/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 12
Spud Date : 9/5/2007 Days From Spud : 0		Depth At 06:00 :	
Morning Operations : RIG UP SST #5		Estimated Total Depth :	9000
		Remarks :	
Time To	Description		
6:00 PM	RIG UP SST#5		
6:00 AM	NIGHT		
Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/2/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 11
Spud Date : 9/5/2007 Days From Spud : 0		Depth At 06:00 :	
Morning Operations : MIRU SST #5		Estimated Total Depth :	9000
		Remarks :	
Time To	Description		
6:00 PM	MOVE IN RIG UP SST #5		
6:00 AM	NIGHT		
Well : #7-7-46 BTR		API # : 43-013-33565	Operations Date : 9/1/2007
Surface Location : NWSE-7-4S-6 W 30th PM		Area : Black Tail Ridge	Report # : 10
Spud Date : 9/5/2007 Days From Spud : 0		Depth At 06:00 :	
Morning Operations : MI RIG		Estimated Total Depth :	9000
		Remarks :	
		CALLED MATT BAKER W/ BLM AND DENNIS ENGRAM	
		W/ UTAH STATE THAT WE MAY SPUD MONDAY	
		NIGHT ( 3 DAY WEEK END ) @ 11:15 AM FRIDAY THE	
		31 th	
Time To	Description		
6:00 PM	MI RIG		
6:00 AM	NIGHT		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTRECEIVED  
SEP 19 2007  
DIV. OF OIL, GAS & MININGFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

BIA-EDA-20G0005608

6. If Indian, Allottee or Tribe Name  
UTE INDIAN TRIBE

SUBMIT IN TRIPLICATE - Other instructions on page 2.

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
Bill Barrett Corporation3a. Address  
1099 18th Street, Suite 2300, Denver, CO 802023b. Phone No. (include area code)  
(303) 312-85464. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SHL: NW/4 SE/4, 2323' FSL x 2465' FEL  
BHL: SW/4 NE/4, 1980' FNL x 1980' FEL  
45 6W 077. If Unit of CA/Agreement, Name and/or No.  
N/A8. Well Name and No.  
# 7-7-46 BTR9. API Well No.  
43-013-3356510. Field and Pool or Exploratory Area  
Altamont11. Country or Parish, State  
Duchesne County, Utah

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Sidetrack Wellbore
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Bill Barrett Corporation requests written approval of the sidetrack of the 7-7-46 BTR well. Due to extreme deviation while drilling at a depth of 4,179' BBC made the determination to side track the well from 2,900' to TD. Verbal approval to do so was received by Dominic Spencer of Bill Barrett Corporation from Michael Lee on Friday, September 14th 2007. BBC submitted a written procedure to the Vernal Field Office detailing the work to be performed. Below is a description of the work performed early on the 15th following verbal approval:

1. Tripped in hole with open-ended drill pipe to 3,187' MD.
2. Established circulation with rig pumps for 2.5 hours.
3. Rigged up Big 4 Cementing (Halliburton was not available), circulated through Big 4's equipment.
4. Mixed and pumped 200 sx Class "G" cement mixed at 17.0 ppg and 1.05 cuft/sk.
5. Displaced cement with drilling mud.
6. Tripped out 6 stands, circulated hole clean.
7. Tripped out to surface casing shoe, leaving kill string in hole.
8. Waited on cement for 17 hours.
9. Tripped in hole and dressed off cement plug from 2,724' to 2,900'.
10. Proceeded with side track.

Bill Barrett Corporation successfully side tracked the wellbore as of 1:00 am on 9/17/07. For any questions please contact Dominic Spencer, Operations Engineer, at (303) 312-8164.

COPY SENT TO OPERATOR  
Date: 10-5-07  
Initials: RM

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

Date 09/17/2007

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
9/28/07

Date

Federal Approval Of This  
Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and with intent to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

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BIA-EDA-20G0005608

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Ute Indian Tribe

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW1/4, SE1/4, Section 7, T4S, R6W

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

11. Country or Parish, State  
Duchesne County, Utah

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Drilling</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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Weekly drilling report from 9/12/07 - 9/19/2007.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature



Date 09/19/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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(Instructions on page 2)

RECEIVED

SEP 21 2007

DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY



Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/19/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 28  
Spud Date : 9/5/2007 Days From Spud : 14 Depth At 06:00 : 3852  
Morning Operations : DRLG. Estimated Total Depth : 9000

Remarks :

294 JTS MIXED DP.  
21 DAYS WITH OUT A LTA  
FUEL 4521 USED 685 GAL  
SAFETY MEETING USEING PPE/ W.O. PUMPS  
SPR 70 SPM 200 PSI @ 3789'

Time To	Description
12:00 PM	DRLG. 3280 - 3381
12:30 PM	CIRC PUMP PILL
5:30 PM	TRIP F/ PDC
6:00 PM	RIG SERVICE
6:30 PM	WASH - REAM 105' TO BOTTOM
6:00 AM	DRLG. F/ 3381 TO 3852

Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/18/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 27  
Spud Date : 9/5/2007 Days From Spud : 13 Depth At 06:00 : 3280  
Morning Operations : DRLG. Estimated Total Depth : 9000

Remarks :

294 JTS MIXED DP.  
20 DAYS WITH OUT A LTA  
FUEL 5206 USED 1781 GAL  
SAFETY MEETING MAKEING CONN.  
SPR 60 SPM 160 PSI @ 3255'

Time To	Description
6:30 AM	TRIP IN HOLE
1:00 AM	DRLG. 2943 - 3132
1:30 AM	RIG SERVICE
6:00 AM	DRLG 3132-3280

Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/17/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 26  
Spud Date : 9/5/2007 Days From Spud : 12 Depth At 06:00 : 2943  
Morning Operations : TRIP IN HOLE Estimated Total Depth : 9000

Remarks :

294 JTS MIXED DP.  
19 DAYS WITH OUT A LTA  
FUEL 6987 USED 822 GAL  
SAFETY MEETING WATCH OUT FOR EACH OTHER  
JOHN SWANSAN BRUSED RIGHT ARM NLTA

Time To	Description
7:00 AM	TRIP IN HOLE
9:00 AM	CIRC & WORK ON MWD
12:00 AM	TIME DRILL 2900 TO 2943
2:30 AM	POOH
3:30 AM	DIR. WORK DROP ANGLE ON MOTOR TO 1.83
6:00 AM	TRIP IN HOLE



# REGULATORY DRILLING SUMMARY



Well : #7-7-46 BTR      API # : 43-013-33565      Operations Date : 9/16/2007  
Surface Location : NWSE-7-4S-6 W 30th PM      Area : Black Tail Ridge      Report # : 25  
Spud Date : 9/5/2007      Days From Spud : 11      Depth At 06:00 : 2900  
Morning Operations : TRIP IN HOLE      Estimated Total Depth : 9000

Time To	Description
11:30 AM	WOC
1:00 PM	LD 27 JTS KILL STRING
4:00 PM	PU DIR. TOOLS
7:00 PM	TIH CHECK SURVEYS
11:00 PM	DRESS CEMENT F/ 2724 TO 2900
11:30 PM	CIRC BOTTOMS UP
3:30 AM	LD 19 JTS DP & POOH
4:30 AM	DIR. WORK INSTALL MWD & BEND MOTOR
6:00 AM	TRIP IN HOLE

Remarks :  
294 JTS MIXED DP.  
18 DAYS WITH OUT ANY ACC.  
FUEL 7535 USED 547 GAL  
SAFETY MEETING

Well : #7-7-46 BTR      API # : 43-013-33565      Operations Date : 9/15/2007  
Surface Location : NWSE-7-4S-6 W 30th PM      Area : Black Tail Ridge      Report # : 24  
Spud Date : 9/5/2007      Days From Spud : 10      Depth At 06:00 : 4179  
Morning Operations : WOC      Estimated Total Depth : 9000

Time To	Description
10:00 AM	DRLG F/ 4100-4179
11:30 AM	CIRC & WOO
12:30 PM	SHORT TRIP 5 STDS 8175 UNITS TRIP GAS
2:30 PM	CIRC & BRING MUD WT UP TO 9.4
6:30 PM	POOH
8:30 PM	LD DIR. TOOLS
10:30 PM	TRIP IN HOLE W/ OPEN DP. 34 STDS PU 2 SINGLES TO 3187.25
1:00 AM	CIRC. & WAIT ON CEMENTERS
2:00 AM	SET 400' 200SX TYPE G PLUG / 3187 TO 2787
3:00 AM	PULL 6 STDS CIRC / ( WOC )
4:00 AM	PULL TO SURFACE PIPE SHUT IN WELL ( WOC )
6:00 AM	WOC

Remarks :  
294 JTS MIXED DP.  
17 DAYS WITH OUT ANY ACC.  
FUEL 7535 USED 547 GAL  
SAFETY MEETING

# REGULATORY DRILLING SUMMARY



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Well : <b>#7-7-46 BTR</b>	API # : 43-013-33565	Operations Date : 9/14/2007
Surface Location : NWSE-7-4S-6 W 30th PM	Area : Black Tail Ridge	Report # : 23
Spud Date : 9/5/2007      Days From Spud : 9		Depth At 06:00 : 4100
Morning Operations : DRLG.		Estimated Total Depth : 9000

Time To	Description	Remarks :
7:30 AM	DRLG. 3832 - 3895	294 JTS MIXED DP.
8:30 AM	CIRC.B U PUMP PILL CHECK FOR FLOW	16 DAYS WITH OUT ANY ACC.
9:30 AM	POOH CHANGE BIT & MOTOR	FUEL 8083 USED 685 GAL
10:00 PM	TRIP IN HOLE 2.12 BENT MTR. 7.875 BIT	SAFETY MEETING TRIPPING & PPE
11:00 PM	DRLG. F/ 3895-3926	
11:30 PM	RIG SERVICE	
3:00 AM	DRLG. F/ 3926- 4100	SPR 50 SPM 85 PSI AT 4052'

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Well : <b>#7-7-46 BTR</b>	API # : 43-013-33565	Operations Date : 9/13/2007
Surface Location : NWSE-7-4S-6 W 30th PM	Area : Black Tail Ridge	Report # : 22
Spud Date : 9/5/2007      Days From Spud : 8		Depth At 06:00 : 3832
Morning Operations : DRLG		Estimated Total Depth : 9000

Time To	Description	Remarks :
3:00 AM	DRLG. 3013- 3832 SLIDING 90% OF THE TIME	287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS
		16.60 SOME S-135 X3 G 105 X95 E-75 E375
		FUEL 8768 USED 685 GAL
		SAFETY MEETING ON PROPER USE OF PPE
		SPR 40 SPM 40 PSI 3832'

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Well : <b>#7-7-46 BTR</b>	API # : 43-013-33565	Operations Date : 9/12/2007
Surface Location : NWSE-7-4S-6 W 30th PM	Area : Black Tail Ridge	Report # : 21
Spud Date : 9/5/2007      Days From Spud : 7		Depth At 06:00 : 3013
Morning Operations : DRLG.		Estimated Total Depth : 9000

Time To	Description	Remarks :
6:30 AM	TIH	287 JTS MIXED ALL CAT 3 132 JTS 20.00 155 JTS
7:30 AM	DRLG F/ 2762 TO 2794	16.60 SOME S-135 X3 G 105 X95 E-75 E375
10:30 AM	TOOH	FUEL 9453 USED 548 GAL
7:00 PM	WAIT ON MWD TOOLS	BOP DRILL 1MIN 90 SEC
8:00 PM	UNLOAD & PU TOOLS	SAFETY MEETING ON TRIPPING / SPINNING CHAIN
9:00 PM	TRIP IN HOLE	SPR. #1 40 SPM 85 PSI @ 2950'
10:30 PM	INSTALL ROTATING HEAD & CIRC GAS OUT	
11:00 PM	DIR.WORK CHECK TOOLS OK	
12:00 PM	TRIP IN HOLE	
12:30 AM	CIRC GAS OUT	
1:00 AM	WASH REAM 2762 - BOTTOM	
6:00 AM	DRLG 2762 TO 3013	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

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**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
BIA-EDA-2OG0005608

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Drilling</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly drilling report from 9/19/07 - 9/27/2007.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

Date 09/27/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

OCT 01 2007

DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

Well : #7-7-46 BTR  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007 Days From Spud : 22  
Morning Operations : Drilling ahead

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 9/27/2007  
Report # : 36  
Depth At 06:00 : 8149  
Estimated Total Depth : 9000

Time To	Description
5:30 PM	Drill 7.875" hole f/ 7770'ft to 7927'ft
6:00 PM	Rig service
6:00 AM	Drill 7.875" hole f/ 7927'ft to 8149'ft

Remarks :  
DSLTA 27  
SAFETY MEETING: Catheads;  
294 JTS MIXED DP.  
  
Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(53.5 hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal- 19.5hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-  
FUEL: 2466 GAL  
USED: 1096 GAL  
TOTAL FUEL USED:12,363 GAL  
  
Daily water hauled:130 bbls  
Total water hauled:9352 bbls  
  
SPR#1: 60SPM 380 PSI @ 8087'ft-10 MW  
70SPM 498 PSI @8087'ft- 10 MW  
80 SPM 610PSI @ 8087'ft-10 MW  
SPR#2:  
  
Accum:2700 psi  
Man:1500 psi  
Ann:900 psi

Well : #7-7-46 BTR  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007 Days From Spud : 21  
Morning Operations : Drilling ahead

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 9/26/2007  
Report # : 35  
Depth At 06:00 : 7770  
Estimated Total Depth : 9000

Time To	Description
2:00 PM	Drill 7.875" hole f/ 7073'ft to 7326'ft
2:30 PM	Rig service
6:00 AM	Drill 7.875" hole f/ 7326'ft to 7770'ft

Remarks :  
DSLTA 27  
SAFETY MEETING: Tripping pipe;  
294 JTS MIXED DP.  
  
Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-  
FUEL: 2466 GAL  
USED: 1096 GAL  
TOTAL FUEL USED:12,363 GAL  
  
Daily water hauled:130 bbls  
Total water hauled:9352 bbls  
  
SPR#1: 60SPM 290 PSI @ 7640'ft-9.9 MW  
70SPM 498 PSI @7640'ft- 9.9MW  
80 SPM 611PSI @ 7640'ft-9.9 MW  
SPR#2:  
  
Accum:2700 psi  
Man:1500 psi  
Ann:900 psi

# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/21/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 30  
Spud Date : 9/5/2007 Days From Spud : 16 Depth At 06:00 : 4669  
Morning Operations : Directional drill 7.875" hole Estimated Total Depth : 9000

Remarks :  
DSLTA 23  
294 JTS MIXED DP.  
FUEL: 3014 GAL  
USED: 685 GAL  
SAFETY MEETING: Painting sub structure;Tripping pipe  
SPR 70 SPM 235 PSI @ 4604'

Time To	Description
4:00 PM	Directional drill 8.75" hole f/4383'ft to 4574'ft w/16 deg inc @ 30.29 az
4:30 PM	Rig service
6:00 PM	Circulate bottoms up/Mix dry job.
9:00 PM	POOH w/bit #5(RR#2)
10:00 PM	LD/8.75" PDC bit,Mudmotor;PU/7.875" PDC bit,Mudmotor.
10:30 PM	Change batteries in MWD;Install probe,orient directional tools
11:00 PM	TIH w/bit #6
12:00 AM	Cut & slip 80'ft drilling line
2:30 AM	TIH to 4500'ft
3:00 AM	PU kelly,stab rotating head rubber,circulate bottoms up-5400 units trip gas-5'ft-6'ft flare.
3:30 AM	Wash & ream 75'ft to bottom.Gas units @ 500 u
6:00 AM	Directional drill 7.875" hole f/ 4574'ft to 4669,ft w/14.50 deg inc@30.67 az.

Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/20/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 29  
Spud Date : 9/5/2007 Days From Spud : 15 Depth At 06:00 : 4383  
Morning Operations : DRLG. Estimated Total Depth : 9000

Remarks :  
294 JTS MIXED DP.  
22 DAYS WITH OUT A LTA  
FUEL 3699 USED 822 GAL  
SAFETY MEETING ATTITUDE ON JOB PAINTING  
SPR 70 SPM 235 PSI @ 4320'

Time To	Description
5:30 PM	DRLG. 3852 - 4070
6:00 PM	RIG SERVICE
2:00 AM	DRLG.4070 - 4320
2:30 AM	SERVICE RIG CHECK B.O.P.
6:00 AM	DRLG. 4320 TO 4383

Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/19/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 28  
Spud Date : 9/5/2007 Days From Spud : 14 Depth At 06:00 : 3852  
Morning Operations : DRLG. Estimated Total Depth : 9000

Remarks :  
294 JTS MIXED DP.  
21 DAYS WITH OUT A LTA  
FUEL 4521 USED 685 GAL  
SAFETY MEETING USEING PPE/ W.O. PUMPS  
SPR 70 SPM 200 PSI @ 3789'

Time To	Description
12:00 PM	DRLG. 3280 - 3381
12:30 PM	CIRC PUMP PILL
5:30 PM	TRIP F/ PDC
6:00 PM	RIG SERVICE
6:30 PM	WASH - REAM 105'TO BOTTOM
6:00 AM	DRLG. F/ 3381 TO 3852

# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

Well : #7-7-46 BTR API # : 43-013-33565 Operations Date : 9/23/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 32  
Spud Date : 9/5/2007 Days From Spud : 18 Depth At 06:00 : 5933  
Morning Operations : Circulating gas out Estimated Total Depth : 9000

Remarks :  
DSLTA 24  
SAFETY MEETING: Driving to & from work; Using catline.  
294 JTS MIXED DP.

Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick S/n:2011  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(  
625-

FUEL: 5343 GAL  
USED: 1096 GAL  
TOTAL FUEL USED:10,582 GAL

Daily water hauled:1560bbls  
Total water hauled:9222bbls

SPR#1: 50 SPM 130 PSI @ 5933'ft-9.8 MW  
60SPM 230 PSI @ 5933'ft-9.8 MW  
SPR#2:

Accum:2800 psi  
Man:1450 psi  
Ann:850 psi

Time To	Description
10:30 AM	Directional drill 7.875" hole f/ 5212'ft to 5437'ft w/ 8.06 deg inc. @ 25.54 az
2:30 PM	Circulate & raise mud wt to 9.8ppg. 7500 units background gas. On buster-4' to 8' lazy flare. Oil and crude oil tar to surface. Consistency of taffy. Formation -Castle Peak
2:00 AM	Directional drill 7.875" hole f/ 5437'ft to 5933'ft w/ 3.88 deg inc @ 27.17 az.
6:00 AM	Circulate gas out- 2am depth/5933'ft-10,500 units gas to surface. Circulating through gas buster w/ 6' to 8'ft flare. Raising mud wt. 1/10th at a time. Losing 10 bbls mud/hr to hole. Background gas 6500 to 6800 units steady.

Well : #7-7-46 BTR API # : 43-013-33565 Operations Date : 9/22/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 31  
Spud Date : 9/5/2007 Days From Spud : 17 Depth At 06:00 : 5212  
Morning Operations : Directional drilling 7.85" hole Estimated Total Depth : 9000

Remarks :  
DSLTA 23  
SAFETY MEETING: Painting sub structure; Tripping pipe  
294 JTS MIXED DP.

Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick S/n:2011  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385  
625-

FUEL: 2192 GAL  
USED: 822 GAL  
TOTAL FUEL USED:9486 GAL

Daily water hauled:1560bbls  
Total water hauled:9222bbls

SPR#1: 70 SPM 235 PSI @ 4604'  
SPR#2:

Accum:2800 psi  
Man:1450 psi  
Ann:900 psi

Time To	Description
12:00 PM	Directional drill 7.875" hole f/ 4669'ft to 4889'ft w/12.88 deg inc @ 35.79 az
1:00 PM	Rig service-Repair rotary driveline
5:00 PM	Directional drill 7.875" hole f/4889'ft to 4927'ft w/12.31 deg inc @33.54 az
6:00 PM	Raise mud wt from 9.3 to 9.5 to kill 3500 units background gas.
6:00 AM	Directional drill 7.875" hole f/ 4927'ft to 5212'ft w/11.50 deg inc.@25.92 az

# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

Well : #7-7-46 BTR API # : 43-013-33565 Operations Date : 9/25/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 34  
Spud Date : 9/5/2007 Days From Spud : 20 Depth At 06:00 : 7073  
Morning Operations : Drill ahead Estimated Total Depth : 9000

Time To	Description	Remarks :
9:30 AM	Directional drill 7.875" hole f/ 6820'ft to 6915'ft w/.87deg inc@198.18az	DSLTA 26 SAFETY MEETING: Gas kicks;Commuting to work 294 JTS MIXED DP.
11:00 AM	Circulate bottoms up;mix & pump dry job.Set kelly back.	Mudmotors: (2)Hunting 6.75 AKO/.13 slick S/n:2011(6.5hrs-In hole) 2059
3:30 PM	POOH w/bt #6	(1)Hunting 8" .24 Rev/gal-19.5 hrs
5:30 PM	Change mud motor,bit;replace batteries in MWD;Set AKO to 1.5 deg.;Orient directional tools.	(2)Weatherford 6.75 AKO/stab:S/n 625-1385 625-
7:00 PM	TIH to 4000'ft-PU kelly & break circulation.	FUEL: 3562 GAL
8:00 PM	Circulate bottoms up@ 4000'ft-15'ft flare on buster.2000-7700 units gas.	USED: 822 GAL
9:00 PM	TIH to 6915'ft-PU kelly & break circulation.	TOTAL FUEL USED:12,363 GAL
11:30 PM	Circulate bottoms up @ 6915'ft-25'ft to 30'ft flare from BU gas-On buster. 3000 to 7000 units gas	Daily water hauled:130 bbls Total water hauled:9352 bbls
6:00 AM	Drill 7.875" hole f/ 6915'ft to 7073'ft w/ 1.44 deg inc @ 191.79 az	SPR#1: 50 SPM 180 PSI @ 6661'ft-9.9 MW 60SPM 290 PSI @ 6661'ft-9.9 MW SPR#2:  Accum:2800 psi Man:1450 psi Ann:850 psi

Well : #7-7-46 BTR API # : 43-013-33565 Operations Date : 9/24/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 33  
Spud Date : 9/5/2007 Days From Spud : 19 Depth At 06:00 : 6820  
Morning Operations : Drilling ahead Estimated Total Depth : 9000

Time To	Description	Remarks :
7:00 AM	Circulate & raise mud wt to 10./ppg-9500 units background gas due to oil/condensate coming from wellbore.Decided gas readings were elevated due to heavy liquids-Propane,butanes,ethanes.Mud wt at 10.0 was beginning to lose mud to formation.Lowered mud wt to 9.8 to 9.9.Losses slowed.Maintain mud wt @9.8	DSLTA 25 SAFETY MEETING: Gas kicks;Commuting to work 294 JTS MIXED DP.
5:30 PM	Directional drill 7.875" hole f/ 5933'ft to 6293 'ft. w/.97 deg inc @ az-Vertical.Rotating w/o sliding.	Mudmotors: (2)Hunting 6.75 AKO/.13 slick S/n:2011 2059
6:00 PM	Rig service	(1)Hunting 8" .24 Rev/gal-19.5 hrs
6:00 AM	Directional drill 7.875" hole f/ 6293'ft to 6820'ft w/1.69 deg inc. @ 171.29 az	(2)Weatherford 6.75 AKO/stab:S/n 625-1385(625- FUEL: 4384 GAL USED: 959GAL TOTAL FUEL USED:11,541 GAL
		Daily water hauled:1560bbls Total water hauled:9222bbls
		SPR#1: 50 SPM 180 PSI @ 6661'ft-9.9 MW 60SPM 290 PSI @ 6661'ft-9.9 MW SPR#2:  Accum:2800 psi Man:1450 psi Ann:850 psi

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8. Well Name and No.  
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9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Drilling</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly drilling report from 9/27/07 - 10/3/2007. This is the final weekly drilling report.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 10/03/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

OCT 09 2007



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
BIA-EDA-20G0005608

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Drilling</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Report
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly drilling report from 9/27/07 - 10/3/2007. This is the final weekly drilling report.

RAM  
KS  
Bob  
PIC

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 10/03/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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(Instructions on page 2)

RECEIVED

OCT 09 2007

DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY



Well : #7-7-46 BTR  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007 Days From Spud : 28  
Morning Operations : RELEASE RIG AT 6:00 AM 10/3/07

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 10/3/2007  
Report # : 42  
Depth At 06:00 :  
Estimated Total Depth : 9000

Time To	Description
8:30 AM	RUN 5.5 CASING
5:00 PM	CIRC & WAIT ON HALLIBURTON
7:00 PM	CEMENT W/ HALLIBURTON PLUG DOWN 1900
8:00 PM	RIG DOWN CEMENTING TOOLS
11:00 PM	SET SLIPS NIPPLE DOWN BOP CUT OFF CASING
6:00 AM	CLEAN MUD PITS LD KELLY TONG SLIP ETC.

Remarks :  
DSLTA 34  
SAFETY MEETING: LDDP RUN CASING  
294 JTS MIXED DP.  
Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
205(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-  
FUEL: 1781 GAL  
USED:548 GAL  
TOTAL FUEL USED:16'326 GALDaily water hauled 140  
Total water hauled 9912 bblsCALLED BLM O F UP  
COMMING CASING JOB  
AT 10:17 AM 10/1/07  
ALSO LEFT MASAGE OF DRY SPUD ON 12-36-36  
AT 3:00 PM

release rig 0600 10/03/07 Doug Hackford

Well : #7-7-46 BTR  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007 Days From Spud : 27  
Morning Operations : RUNNING 5.5 CASING

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 10/2/2007  
Report # : 41  
Depth At 06:00 : 8731  
Estimated Total Depth : 9000

Time To	Description
8:00 AM	TRIP IN HOLE
12:00 PM	CIRC COND HOLE RU LAY DOWN TOOLS
10:00 PM	LDDP
6:00 AM	RUN 5.5 CASING

Remarks :  
DSLTA 33  
SAFETY MEETING: LDDP RUN CASING  
294 JTS MIXED DP.  
Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-  
FUEL: 2329 GAL  
USED:548 GAL  
TOTAL FUEL USED:15,785 GAL  
Daily water hauled 140  
Total water hauled 9912 bbls  
CALLED BLM O F UP COMMING CASING JOB  
AT 10:17 AM 10/1/07  
ALSO LEFT MASAGE OF DRY SPUD ON 12-36-36  
AT 3:00 PM

# REGULATORY DRILLING SUMMARY



Well : **#7-7-46 BTR**  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007      Days From Spud : 26  
Morning Operations : TRIP IN HOLE BREAK CIRC @ 5000'

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 10/1/2007  
Report # : 40  
Depth At 06:00 :  
Estimated Total Depth : 9000

Time To	Description
2:30 AM	WIRE LINE LOGS
3:30 AM	PULL WEAR RING PU BIT BIT SUB
5:30 AM	TRP IN HOLE
6:00 AM	BREAK CIRC @ 5000'

Remarks :  
DSLTA 32  
SAFETY MEETING: LOGGING  
294 JTS MIXED DP.

Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-

FUEL: 2877 GAL  
USED:274 GAL  
TOTAL FUEL USED:15,247 GAL

Daily water hauled 480  
Total water hauled:9832 bbls

80 SPM 611PSI @ 7640'ft-9.9 MW  
SPR#2:

Accum:2800 psi  
Man:1450 psi  
Ann:900 psi

Well : **#7-7-46 BTR**  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007      Days From Spud : 25  
Morning Operations : LOGGING WELL

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 9/30/2007  
Report # : 39  
Depth At 06:00 : 8731  
Estimated Total Depth : 9000

Time To	Description
6:30 AM	CIRC BOTTOMS UP
7:30 AM	SHORT TRIP 5 STDs
9:30 AM	CIRC. F/ LOGS LOST 60 BBL MUD
2:00 PM	POOH F/ LOG
6:00 AM	LOG WELL LOG DEPTH 8725'

Remarks :  
DSLTA 31  
SAFETY MEETING: LOGGING  
294 JTS MIXED DP.

Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-

FUEL: 3151GAL  
USED:685 GAL  
TOTAL FUEL USED:14'973 GAL

Daily water hauled 480  
Total water hauled:9832 bbls

SPR#1: 70SPM 436 PSI @ 8657ft-10.2 MW  
80SPM 575PSI @8657ft- 10.2 MW  
80 SPM 611PSI @ 7640'ft-9.9 MW  
SPR#2:

Accum:2800 psi  
Man:1450 psi  
Ann:900 psi

# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

Well : #7-7-46 BTR  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007 Days From Spud : 24  
Morning Operations : CIRC BOTTOM UP @ TD 8731

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 9/29/2007  
Report # : 38  
Depth At 06:00 : 8731  
Estimated Total Depth : 9000

Time To	Description
6:30 AM	DRLG. F/ 8550 - 8560
7:30 AM	CIRC BOTTOMS UP PUMP PILL
3:30 PM	POOH LD DIR. TOOLS RESET MOTOR
9:30 PM	TRIP IN HOLE
5:30 AM	DRLG. F/ 8560 TO 8731
6:00 AM	CIRC BOTTOM UP @ TD

Remarks :  
DSLTA 30  
SAFETY MEETING: Tripping pipe;  
294 JTS MIXED DP.  
Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-  
FUEL: 3836 GAL  
USED:822 GAL  
TOTAL FUEL USED:14'388 GAL  
Daily water hauled 480  
Total water hauled:9832 bbls  
SPR#1: 70SPM 436 PSI @ 8657ft-10.2 MW  
80SPM 575PSI @8657ft- 10.2 MW  
80 SPM 611PSI @ 7640'ft-9.9 MW  
SPR#2:  
Accum:2800 psi  
Man:1450 psi  
Ann:900 psi

Well : #7-7-46 BTR  
Surface Location : NWSE-7-4S-6 W 30th PM  
Spud Date : 9/5/2007 Days From Spud : 23  
Morning Operations : DRLG.

API # : 43-013-33565  
Area : Black Tail Ridge

Operations Date : 9/28/2007  
Report # : 37  
Depth At 06:00 : 8550  
Estimated Total Depth : 9000

Time To	Description
4:30 PM	DRLG F/ 8149 TO 8339'
5:00 PM	SERVICE RIG
6:00 AM	DRLG. 8339 TO 8550

Remarks :  
DSLTA 29  
SAFETY MEETING: Tripping pipe;  
294 JTS MIXED DP.  
Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-  
FUEL: 4658 GAL  
USED: 1233 GAL  
TOTAL FUEL USED:13,566 GAL  
Daily water hauled  
Total water hauled:9352 bbls  
SPR#1: 60SPM 310 PSI @ 8250ft-10 MW  
70SPM 515PSI @8250ft- 10 MW  
80 SPM 611PSI @ 7640'ft-9.9 MW  
SPR#2:  
Accum:2800 psi  
Man:1450 psi  
Ann:900 psi

# REGULATORY DRILLING SUMMARY



Bill Barrett Corporation

Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/27/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 36  
Spud Date : 9/5/2007 Days From Spud : 22 Depth At 06:00 : 8149  
Morning Operations : Drilling ahead Estimated Total Depth : 9000

Time To	Description
5:30 PM	Drill 7.875" hole f/ 7770'ft to 7927'ft
6:00 PM	Rig service
6:00 AM	Drill 7.875" hole f/ 7927'ft to 8149'ft

Remarks :  
DSLTA 28  
SAFETY MEETING: Catheads;  
294 JTS MIXED DP.

Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(53.5 hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal- 19.5hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-

FUEL: 5891 GAL  
USED: 959 GAL  
TOTAL FUEL USED:13,322 GAL

Daily water hauled:130 bbls  
Total water hauled:9352 bbls

SPR#1: 60SPM 380 PSI @ 8087'ft-10 MW  
70SPM 498 PSI @8087'ft- 10 MW  
80 SPM 610PSI @ 8087'ft-10 MW  
SPR#2:

Accum:2700 psi  
Man:1500 psi  
Ann:900 psi

Well : **#7-7-46 BTR** API # : 43-013-33565 Operations Date : 9/26/2007  
Surface Location : NWSE-7-4S-6 W 30th PM Area : Black Tail Ridge Report # : 35  
Spud Date : 9/5/2007 Days From Spud : 21 Depth At 06:00 : 7770  
Morning Operations : Drilling ahead Estimated Total Depth : 9000

Time To	Description
2:00 PM	Drill 7.875" hole f/ 7073'ft to 7326'ft
2:30 PM	Rig service
6:00 AM	Drill 7.875" hole f/ 7326'ft to 7770'ft

Remarks :  
DSLTA 27  
SAFETY MEETING: Tripping pipe;  
294 JTS MIXED DP.

Mudmotors:  
(2)Hunting 6.75 AKO/.13 slick  
S/n:2011(29.5hrs-In hole)  
2059  
(1)Hunting 8" .24 Rev/gal-19.5 hrs  
(2)Weatherford 6.75 AKO/stab:S/n 625-1385(Dirty)  
625-

FUEL: 2466 GAL  
USED: 1096 GAL  
TOTAL FUEL USED:12,363 GAL

Daily water hauled:130 bbls  
Total water hauled:9352 bbls

SPR#1: 60SPM 290 PSI @ 7640'ft-9.9 MW  
70SPM 498 PSI @7640'ft- 9.9MW  
80 SPM 611PSI @ 7640'ft-9.9 MW  
SPR#2:

Accum:2700 psi  
Man:1500 psi  
Ann:900 psi



43-013-33565

**pason systems usa corp.**

16100 Table Mountain Parkway • Ste. 100 • Golden • CO • 80403  
Telephone (720) 880-2000 • Fax (720) 880-0016  
www.pason.com

October 8, 2007

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RM  
KS  
Bob  
PIC

**RE: BILL BARRETT CORPORATION  
BLACK TAIL RIDGE 7-7-46 BTR  
SEC. 7, T4S, R6W  
DUCHESNE COUNTY, UT**

To Whom It May Concern:

Enclosed is the final computer colored log for the above referenced well.

We appreciate the opportunity to be of service to you and look forward to working with you in the near future.

If you have any questions regarding the enclosed data, please contact us.

Sincerely,

*Bill Nagel*

Bill Nagel  
Geology Manager  
Pason Systems USA  
BN/gdr

RECEIVED  
OCT 11 2007  
DIV. OF OIL, GAS & MINING

Encl: 1 Computer Colored Log.

Cc: Tom Sperr, Bill Barrett Corp., Denver, CO.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.  
BIA-EDA-2OG0005608

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Completion</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion report from 10/1/07 - 11/10/2007. This is the final completion activity report.

**RECEIVED**

**DEC 03 2007**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 11/30/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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(Instructions on page 2)

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/10/2007

Report # : 20

AFE # : 14412D

Summary : Rig down Nabors WSU and equipment.  
Move to Peters Point 5-2Deep well.

End Time	Description
7:00 AM	Safety Meeting Rigging down WSU & Equipment. Roading rig
10:00 AM	Rig Down WSU & Equip.
12:00 PM	Road Equipment
12:00 PM	

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/9/2007

Report # : 19

AFE # : 14412D

Summary : Flow back. set plug in tbg. land tbg.  
ND/NU. Pull plug out of tbg. turn well  
over to Production.

End Time	Description
7:00 AM	Safety Meeting. Setting tbg plug with slick line. Nipple Down & NU. SL. pull plug.
9:00 AM	RU Delsco slick line. RIH set plug in X nipple. POOH
12:00 PM	trip in hole with tbg out of derrick.
1:30 PM	Flow tbg recovered 66 bbls oil
2:00 PM	POOH lay down tbg. Land tbg on hanger.
3:00 PM	Clean oil off rig floor and BOPs
5:00 PM	Rig Delsco RIH retrieve plug from X nipple POOH RDMO S.L.
5:00 PM	Turn well over to Production to flow.

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/8/2007

Report # : 18

AFE # : 14412D

Summary : Flow test Rec. 160 bbl oil in 12 hours  
total oil recovered 3,754 bbl.. Rec. 64  
bbl water. total water rec. 5,587. 8,096  
bbl left. gas .750 MCFD.

End Time	Description
7:00 PM	Flowing casing and tbg flow pressure 50 psi on 64 ck. recovered 160 bbl oil avg. of 13.3 B PH. and 64 bbl of water avg. of 5.3 BPH. . Total Oil recovered 3,754 bbl. total water rec. 5,587 bbl. 8,096 bbl left to recover. Gas rate: .750 MCFD. sold 610 bbl of oil.



# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/7/2007

Report # : 17

AFE # : 14412D

Summary : Flow test total oil recovered 3,594 bbls.  
total water recovered 5523 bbl. 8160  
bbl left.

End Time

Description

6:00 AM

Flow test.. FCP: 260 psi on 48 ck. recovered 212 bbls in the last 12 hours avg. of 17.6 BPH total bbl recovered 3,422. Flow temp. 75 deg. Recovered 100 bbl in 12 hours avg. of 8.3 BPH. Total bbls recovered 5,431. Gas rate: .309 MCFD.

6:00 PM

Flow test FCP: 205 psi on 48 ck. recovered 172 bbl in 12 hours avg. of 14.3 BPH. total oil recovered 3,594 bbls. flow temp 84 deg. recovered 92 bbl water in 12 hours avg. of 7.6 BPH. total water recovered 5,523 bbls. gas rate: 186 MCFD. sold 310 b bls oil.

11:59 PM

flow test

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/6/2007

Report # : 16

AFE # : 14412D

Summary : Flow test. 12 hours. Sold 310 bbl.oil.  
recovered 84 bbl. oil in 12 hrs. made 59  
bbl water. 12 hrs. gas. 106 mcf.

End Time

Description

7:00 AM

SI

7:00 PM

FCP: 90 psi on 48 ck. recovered 84 bbl of oil in 12 hours, avg. of 7 BPH. Total oil recovered 3,210 bbl. Flowing temp: 63 deg. recovered 59 bbl water in 12 hours avg. of 4.9 BPH. BBLs left to recover 5,331 bbl. Gas rate: 106 MCFD. sold 310 bbls of oil.

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/5/2007

Report # : 15

AFE # : 14412D

Summary : Flow test. FCP: 150 on 64 ck. 443 bbl in  
24 hours, 328 bbl water. sold 900 bbl  
oil. gas rate .432 MCFD

End Time

Description

7:00 PM

24 hour flow test. FCP: 150 psi on 64ck. recovered 443 bbls. Avg. of 18.4 BPH. total oil recovered : 2,832 BBLs. Water in 24 hours 328 bbl avg. of 13.66 BPH. total water recovered :5,160 bbls. 8,523 bbl left to recover. Gas rate of .432 MCF/D. Sold 900 BBLs oil.

11:59 PM

flow test

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/4/2007 Report # : 14

AFE # : 14412D

Summary : Flow test

End Time	Description
6:30 AM	Flow back.
6:30 AM	12 hours flow back FCP: 165 psi on 64 ck. recovered 264 bbl oil. recovered 200 bbl water. Total water recovered inn 12 hours 200 bbl.
6:30 PM	Avg. oil 19.7 BPH. Avg. water 14.9 BPH. Gas .860 MCF. Sold 630 bbl oil.
6:30 PM	Flow well

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/3/2007 Report # : 13

AFE # : 14412D

Summary : Flow test. RU PLS could not get through tbg. try to pumpoff bit. RU PLS cut off tbg. flow tbg. flow of 25 BPH. flow test

End Time	Description
7:00 AM	flow well
7:00 AM	Safety meeting, flow well, & logging
9:00 AM	Flow well
10:00 AM	RU PSL logging RIH could not get through tbg at bit. POOH
12:00 PM	Pump 25 bbl try to pumpoff bit sub. could not pumpoff bit sub.
1:00 PM	RU PLS RIH cut off joint . left 8 ft. 2-7/8" tbg, XN nipple, 8 ft. tbg sub, Pumpoff bit sub with 4-3/4" bit.
2:30 PM	PLS. Production log well.
6:00 PM	Flow test flowing pressure 185 psi on 64 ck. recovered 1697 bbl of oil. 4567 bbl of water. Sold 630 bbl.

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 11/2/2007

Report # : 12

AFE # : 14412D

Summary : flow casing. Safety meet. pumpoff bit.  
flow test.

End Time	Description
6:00 AM	Continue flow testing well, at 06:00 hrs well was flowing 220 psi on a 64 ck, averaged 44.9 BOPH in last 12 hours, 18.3 BWPH. Total oil recovered 1,890 bbls. 9,823 BLFTR. Preparing well for production log this am.
7:00 AM	Flow casing
7:00 AM	Safety meeting. well testing.
10:00 AM	Flow test. FCP: 390 psi on 64 ck. making 3 BPH oil. water 80 BPH
10:30 AM	Pumpoff Bit sub and bit
3:00 PM	Flow back. Avg. water 40 BPH. Avg. Oil 56 BPH. Total Water Recovered 339 bbl. Total Oil recovered 449 bbl.
3:00 PM	Shut in to heat oil. Open @ 4:30PM on 64 Ck. FP: 450 psi.
7:00 PM	Total Water Recovered 4,224 bbl BBLs left to recover 9,783 bbl. Total Oil recovered 1,396 bbls.

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/31/2007

Report # : 10

AFE # : 14412D

Summary : SI. PU Bit tbg. drill CBP @ 5300 ft. SI.

End Time	Description
7:01 AM	SI. on CBP
8:01 AM	Rig Up Nabors WSU.
9:31 AM	ND Wellhead Inc.Frac tree, NU Weatherford BOPs. Rig work floor.
3:01 PM	PU 4-1/2" rock Bit, Weatherford pumpoff bit sub, pup sub, XN nipple. one jt, X nipple. tallyin hole with 2-7/8" L-80 Tbg. RIH tag kill plug @ 5300 ft. 168 jts.
4:31 PM	PU Power swivel, R&W foam unit
4:00 PM	Start foaming wellbore drill CBP @ 5300 ft. blow well around.
6:00 PM	SIFN

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/30/2007

Report # : 9

AFE # : 14412D

Summary : SI. Move out 20 frac tanks. MIRU  
Nabors WSU & Equipment.

End Time

Description

7:00 AM

SI on CBP

4:00 PM

Truck 20 frac tanks off loc

5:00 PM

MI Rig and equipment on Loc.

5:00 PM

Shut in

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/29/2007 Report # : 8

AFE # : 14412D

Summary : SI. EL & Frac stage 5. EL stage 6. Frac #6. EL stage 7. frac #7. EL CBP @ 5300 ft

End Time	Description
7:00 AM	SI.
9:00 AM	BWWC EL stage 5 Wasatch . PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. Run to setting depth set CFP @ 6320 ft. PU perforate @ 6103-6104, 6055-6056, 6022-6023, 6020-6021, 5998-5999, 5948-5949, 5937-5938, 5927-5928, 5903-5904 & 5886-5887, 3 JSPF, 120 phasing, 23 gram charges, .430 holes. 37" pen. POOH turn well over to frac.
10:00 AM	HES Frac stage 5 Wasatch 20# Delta 200. Load & Break @ 2,137 PSI @ 9.1 BPM. Avg. Slurry Rate: 68.42 BPM. Avg. Pressure: 4,027 PSI. Max. Slurry Rate: 75.75 PSI. Max. Pressure: 5,258 PSI. Total 100 mesh sand in formation: 5,061 lbs. Total Sand in Formation: 140,896 lbs. (20/40 White Sand) Total Fluid Pumped: 81,800 Gal. ISIP: 1,957 PSI. Frac Gradient: 0.76 psi/ft. 5 min. SI. 1816 psi. 10 min. SI. 1758 psi. 15 min. SI. 1711 psi. Dropped one perf balls every 10 seconds 265 gals into acid stage. total of 30 balls shut down with 562 gals of acid left in wellbore.
11:00 AM	BWWC EL stage 6 Wasatch. PU HES CFP with 8 ft. perf guns. RIH correlate to short jt, run to setting depth set CFP @5825 ft. PU perforate @ 5790-5791, 5762-5763, 5717,5718, 5678-5679, 5665-5666, 5653-5654, 5615-5616 & 5582-5583, 3 JSPF, 120 phasing, 23 gram charge, .430 holes. 37" Pen. POOH turn well over to frac.
1:00 PM	HES Frac stage 6 Wasatch 20# Delta 140. Load & Break @ 2,088 PSI. @ 10.3 BPM. Avg. Slurry Rate: 53.06 BPM. Avg. Pressure:3,076 PSI. Max. Slurry Rate: 61.5 BPM. Max. Pressure: 3,707 PSI. Total fluid Pumped: 93,175 gal. Total 100 mesh in Formation: 5,722 lbs. Total Sand in Formation: 161,638 lbs, (20/40 White Sand) ISIP:1,889 PSI. Frac Gradient: 0.77 psi/ft. 5Min. SI: 1,746 PSI. 10 Min. SI: 1,660 PSI. 15 min. SI: 1,618 PSI.
12:00 AM	
2:20 PM	BWWC EL stage 7 Wasatch PU HES CFP with 7 ft. perf guns. RIH correlate to short jt. run to setting dewpth set CFP @ 5560 ft. PU perforate at 5530-5531, 5481-5482, 5468-5469, 5428-5429, 5407-5408, 5382-5383 & 5375-5376, 3 JSPF, 120 phasing, 23 gram charges .430 holes. 37" pen. POOH turn well over to frac.

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/29/2007

Report # : 8

AFE # : 14412D

Summary : SI. EL & Frac stage 5. EL stage 6. Frac  
#6. EL stage 7. frac #7. EL CBP @ 5300  
ft

End Time

Description

3:20 PM

HES Frac stage 7 Wasatch 20# Delta 140. Load & Break @  
1,840 PSI @ 10.5 BPM. Avg. Slurry Rate: 40.55 BPM. Avg.  
Pressure: 2,625 PSI. Max. Slurry Rate: 50.96 BPM. Max.  
Pressure: 3,428 PSI. Total Fluid pumped: 64,850 gal. Total 100  
Mesh Sand in Formation: 3,685 lbs. Total Sand in Formation:  
106,736 lbs. (20/40 White Sand) ISIP:1,733 PSI. Frac Gradient:  
0.76 psi/ft. 5 Min. SI: 1535 psi. 10 Min. SI: 1488 psi. 15 Min. SI:  
1454 PSI.

5:20 PM

BWWC EL Composite bridge plug. PU tools RIH correlate to short  
jt. set CBP @ 5300 ft. POOH RDMO EL.

5:20 PM

SI

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/28/2007

Report # : 7

AFE # : 14412D

Summary : SI. Frac stage 1 N.H. EL stage 2. Frac #2. EL stage 3. Frac #3. EL stage 4. Frac #4. SI.

End Time	Description
7:30 AM	Shut in
7:30 AM	Pressure test, Safety meeting, fracing
8:25 AM	HES Frac stage 1 North Horn 20# Dalta 200, Load & Break @ 3,484 PSI @ 10.1 BPM. Avg. Slurry Rate: 64.3 BPM. Avg. Pressure: 3,715 PSI. Max. Slurry Rate: 68.13 BPM. Max. Pressure: 4,898 PSI. Total Fluid Pumped: 72,588 Gal. Total 100 mesh 3,500 lbs. Total Sand in Formation: 120,700 lb. (20/40 White Sand) ISIP: 1,584 PSI. Frac Gradient: 0.64 psi/ft. 5 Min. Shut In: 1436 psi. 10 Min. SI. 1356 PSI. 15 Min. SI. 1309.
10:10 AM	BWWC EL stage 2 Wasatch, PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. Run to setting depth set CFP @ 7710 ft. PU perforate @ 7636-7640, 7583-7585 & 7576-7560, 3 JSPF, 120 phasing, 23 gram charges, .430 holes. 37" pen. POOH turn well over to frac.
11:25 AM	HES Frac stage 2 Wasatch 20# Dalta 200. Load & Break @ 3,467 psi @ 10 BPM. Avg. Slurry Rate: 43.5 BPM. Avg. Pressure: 2,798 PSI. Max. Slurry Rate: 51.93 BPM. Max. Pressure: 4,630 psi. Total Fluid Pumped: 47,899 gal. Total 100 mesh 2,382 lbs. Total Sand in Formation: 69,508 lbs. (20/40 White Sand) ISIP: 1,625 PSI. Frac Gradient: 0.65 psi/ft. 5 min. SI. 1536 psi. 10 min. SI. 1483 psi. 15 min. SI. N/A psi.
12:00 AM	
11:25 AM	BWWC EL stage 3 Wasatch. PU HES CFP with 6 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6900 ft. PU perforate @ 7337-7338, 7271-7272, 7139-7140, 7045-7046 & 6956-6957, 3 JSPF, 120 phasing, 23 gram charges, .430 holes. 37" pen. POOH turn well to frac.
1:55 PM	HES Frac stage 3 Wasatch. Load & Break @ 4,049 PSI @ 5.12 BPM. Avg. Slurry Rate: 52.17 BPM. Avg. Pressure: 3,707 PSI. Max. Slurry Rate: 52.5 BPM. Max. Pressure: 5,631 PSI. Total 100 Mesh in Formation: 3,612 lbs. Total Sand in Formation: 110,588 lbs. (20/40 White Sand) ISIP: 1,596 PSI. Frac Gradient: 0.66 psi/ft. No 5, 10 or 15 SI.
1:55 PM	BWWC EL stage 4 PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6900 ft. PU perforate @ 6666-6667, 6662-6663, 6598-6599, 6521-6522, 6520-6521, 6503-6504, 6472-6473, 6453-6454, 6433-6434 & 6407-6408, 3 JSPF, 120 phasing, 23 gram charges, .430 holes. 37" pen. POOH turn well over to frac.

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/28/2007

Report # : 7

AFE # : 14412D

Summary : Sl. Frac stage 1 N.H. EL stage 2. Frac #2. EL stage 3. Frac #3. EL stage 4. Frac #4. Sl.

End Time

Description

1:55 PM

HES frac stage 4 Wasatch 20# Delta 200. Load & Break @ 3,553 @ 8.1 BPM. Avg. Slurry Rate: 54.43 BPM. Avg. Pressure: 3,369 PSI. Max. Slurry Rate: 76.49 BPM. Max. Pressure: 5,844 PSI. Total 100 Mesh in Formation: 7,923 lbs. Total Sand in Formation: 194,088 lbs. (20/40 White Sand) ISIP:1,873 PSI. Frac Gradient: 0.72 psi/ft. 5 min SI: 1771 PSI. 10 min. SI. 1736 PSI. 15 min SI: 1698 PSI.

1:55 PM

Shut in for night



# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/27/2007 Report # : 6

AFE # : 14412D

Summary : MIRU Black warrior EL. stage 1. MIRU  
HES frac equipment. Heat frac water.

End Time	Description
7:00 AM	shut in. Heat frac water to 85 deg.
6:00 PM	MIRU Black Warrior Wire Line. PU 3-1/8" Expendable guns. 7 ft. RIH correlate to short jt. run to perf depth check depth to casing collars. Perforate North Horn @ 8053-8054, 8031-8032, 7894-7895, 7873-7874, 7852-7853, 7847-7848 & 7807-7808, 3 JSPP, 120 phasing, 23 gram chjarges, ,430 holes, 37" pen. POOH
6:00 PM	MIRU HES Frac equipment.

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/26/2007 Report # : 5

AFE # : 14412D

Summary : MI Set 11 Frac tanks load with 2% KCL

End Time	Description
5:00 PM	MI 11 frac tanks and load with 2% KCL water

Well Name : #7-7-46 BTR

Phase/Area Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/25/2007 Report # : 4

AFE # : 14412D

Summary : MI Set frac Tanks and load. MIRU IPS  
flow equipment.

End Time	Description
5:00 PM	MI set 12 frac tanks. start loading with KCL water.
5:00 PM	MIRU IPS flow equipment & Pressure test.

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/23/2007

Report # : 3

AFE # : 14412D

Summary : MIRU Black Warrior ran Cement Bond Log. holding on casing. 1000 psi Correlate to High Definition Log. Pressure test casing to 5000 psi.

End Time

5:00 PM

Description

MIRU. Black Warrior EL Ran Junk Basket, Cement Bond log. holding 1000 psi. Cement top @ 1550 ft.

Well Name : #7-7-46 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/22/2007

Report # : 2

AFE # : 14412D

Summary : Set And test 10M frac tree, MIRU Black Warrior run Cement Bond Log.

End Time

4:00 PM

Description

Well head Inc set tubing head and X-Mas tree / test

12:00 AM

Well Name : #7-7-46 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/21/2007

Report # : 1

AFE # : 14412D

Summary :

End Time

Description

Enter the description here

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-7-46 BTR

Phase/Area

Black Tail Ridge

Bottom Hole Display	API #/License
SWNE-7-4S-6W-W30M	43-013-33565

Ops Date : 10/1/2007

Report # : 11

AFE # : 14412D

Summary : Sl. Drill CFPs.

End Time	Description
7:00 AM	SICP: 1200
7:30 AM	Safety meeting. drilling plugs. Oil
11:00 AM	TIH to CFP #6 @ 5560. start circ. problems with string float holding. POOH to string float. Change out floats. RIH to 5560 ft. rig swivel.
12:00 PM	Start foaming drill CFP #6 @ 5560 ft. FCP: 600 psi on 2" adj. choke. recovered 250 bbl water
1:00 PM	TIH tag CFP #5 @ 5825 ft. Drill out FCP:600 psi on 2" ck. recovered 200 bbl water
2:00 PM	TIH tag CFP #4 @ 6320 ft. drill out FCP: 600 psi on 2" ck. recovered 175 bbl water trace of sand.2 bbl oil
3:00 PM	TIH tag CFP #3 @ 6900 ft. drill out FCP: 600 psi on 2" ck./ recovered 119 bbl water made 15 bbl oil.
4:00 PM	TIH tag CFP #2 @ 7420 ft. Drill out . FCP: 600 psi on 2" ck. recovered 75 bbl water, 15 bbl oil.
5:00 PM	TIH tag CFP #1 @ 7710 ft. drill out, FCP: 600 psi on 2" ck. recovered 80 bbl water made 15 bbl oil.
6:00 PM	TIH total tbg in well of 271 jt. tag PBSD @8575. POOH lay down 15 jts.
7:00 PM	POOH to 5300 ft. remove string float.168 jts. in wellbore.
7:00 PM	Turn well to IPS FCP: 450 . Shut in tbg.
7:00 PM	IPS flow casing

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTRECEIVED  
DEC 10 2007

DIV OF OIL, GAS &amp; MINING

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Reserv.,  
Other: \_\_\_\_\_

2. Name of Operator  
Bill Barrett Corporation

3. Address 1099 18th Street, Suite 2300  
Denver, CO 80202

3a. Phone No. (include area code)  
(303) 312-8546

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

2323' FSL x 2465' FEL

At surface NW/4, SE/4, Sec. 7, T4S, R6W

SW/4, NE/4, 2125' FNL x 2070' FEL

At top prod. interval reported below

At total depth SW/4, NE/4, 2441' FNL x 2049' FEL

14. Date Spudded  
09/05/2007

15. Date T.D. Reached  
09/28/2007

16. Date Completed 11/01/2007  
☐ D & A ☒ Ready to Prod.

5. Lease Serial No.  
BIA-EDA-20G0005608

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

7. Unit or CA Agreement Name and No.  
N/A

8. Lease Name and Well No.  
# 7-7-46 BTR

9. AFI Well No.  
43-013-33565

10. Field and Pool or Exploratory  
Altamont

11. Sec., T., R., M., on Block and  
Survey or Area Sec. 7, T4S, R6W

12. County or Parish  
Duchesne County

13. State  
UT

18. Total Depth: MD 8731'  
TVD 8595'

19. Plug Back T.D.: MD  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Baker Hughes Triple Combo

HDL, COMP 2, CN, CD, GR, CAL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16" Conduct.	1/4" wall	Surface	40'		Grout Cmt.		0'	
12 1/4"	9 5/8" - J-55	36 lbs.	Surface	912'		120 sxs - HLC	40 bbls.	0'	
						240 sxs - AG300	49 bbls.		
8 3/4"	5 1/2" P110	17 lbs.		8720'		170 sxs - HiFill	116 bbls.	800'	
						1000 sxs - 50/50	265 bbls.		

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	6400'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) North Horn	7807'	8054'	7,807' - 8,054'	0.43"	21	Open
B) Wasatch	5762'	7640'	7,556' - 7,640'	0.43"	30	Open
C) Uteland Butte	5375'	5718'	6,956' - 7,338'	0.43"	18	Open
D)			6,407' - 6,667'	0.43"	30	Open

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
7,807' - 8,054'	70% CO2 foam frac; 894 bbls. LGC6; 189 bbls. of slickwater, 120,700 lbs. 20 - 40 sand.
7,556' - 7,640'	960 bbls. LGC6; 180 bbls. of slickwater, 69,508 lbs. 20 - 40 sand.
6,956' - 7,338'	1528 bbls. LGC6; 165 bbls. of slickwater, 110,588 lbs. 20 - 40 sand.
6,407' - 6,667'	2546 bbls. LGC6; 151 bbls. of slickwater, 194,088 lbs. 20 - 40 sand.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/2/07	12/1/07	24	→	282	180	84	49	N/A	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	SI 150	1000	→	282	180	84	49	SI - Workover	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

\*(See instructions and spaces for additional data on page 2)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Castle Peak Uteland Butte Wasatch North Horn	5156' 5467' 5734' 7750'
				TD	8731'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Reed Haddock

Title Permit Analyst

Signature

Reed Haddock

Date 12/05/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

<b>26. PERFORATION RECORD (cont.)</b>				
<b>INTERVAL (Top/Bot-MD)</b>		<b>SIZE</b>	<b>NO. HOLES</b>	<b>PERFORATION STATUS</b>
5,886'	6,104'	0.430"	30	Open
5,582'	5,791'	0.430"	24	Open
5,375'	5,531'	0.430"	21	Open

<b>27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>	
<b>DEPTH INTERVAL</b>	<b>AMOUNT AND TYPE OF MATERIAL</b>
5,886' – 6,104'	1803 bbls. LGC6; 145 bbls. of slickwater, 140,896 lbs. 20 - 40 sand.
5,582' – 5,791'	2086 bbls. LGC6; 132 bbls. of slickwater, 161,638 lbs. 20 - 40 sand.
5,375' – 5,531'	1418 bbls. LGC6; 126 bbls. of slickwater, 106,736 lbs. 20 - 40 sand.

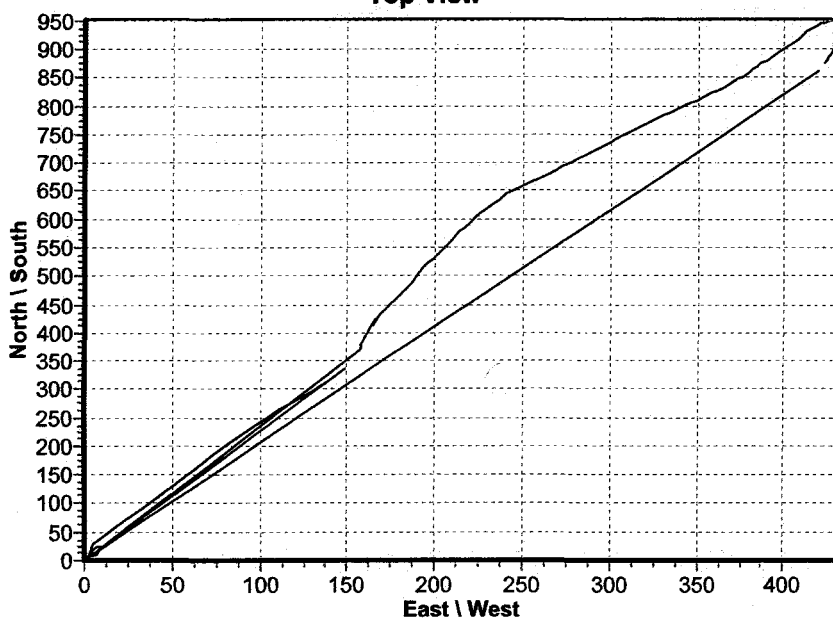
# Directional Plots

Wellcore

## Location Information

Business Unit :	Well :	API #/License :
Operations	#7-7-46 BTR	43-013-33565
Project :	Surface Location :	
Uinta	NWSE-7-4S-6W-W30M	
Phase/Area :	Bottom Hole Location :	
Black Tail Ridge	SWNE-7-4S-6W-W30M	

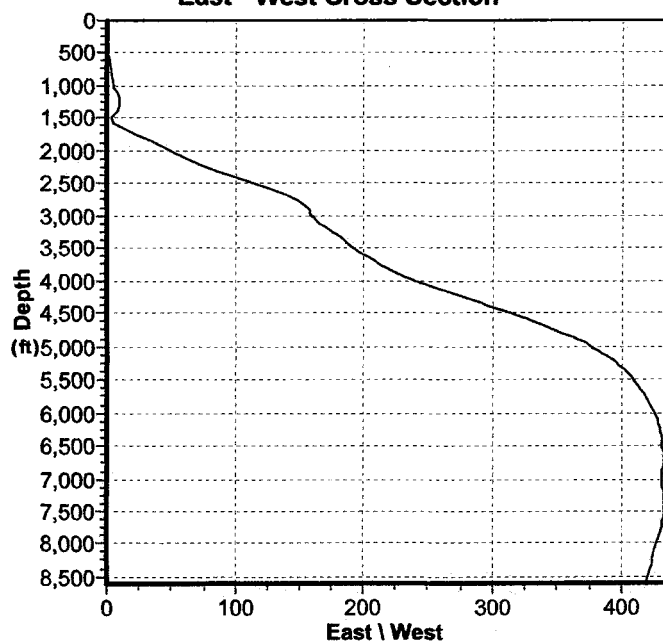
Top View



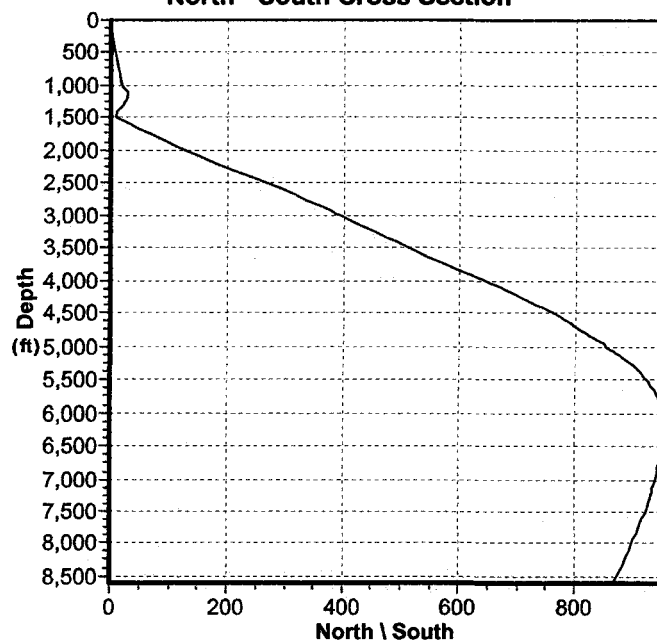
RECEIVED  
DEC 10 2007

DIV. OF OIL, GAS & MINING

East - West Cross Section



North - South Cross Section



## Wellcore

Business Unit  
Operations  
Project  
Unit

Phase/Area  
Black Tail Ridge  
Well Name  
#7-7-46 BTR

Surface Location  
NWSE-7-4S-6W-W30M  
Main Hole :

### Survey Section Details

UWI	API #
SWNE-7-4S-6W-W30M	43-013-33565

Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date

Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
Sharewell / WEATHERFORD	23.84	12.04

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# DIV. OF OIL, GAS & MINING

Corrected

[illegible]



Directional Surveys

Wellcore

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Black Tail Ridge	NWSE-7-4S-6W-W30M
Project	Well Name	Main Hole :
Unta	#7-7-46 BTR	

Extrap:	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	3298.00	14.25	16.42	3230.02	-3210.52	445.68	N	172.63	E	477.43	1.69
	3329.00	13.44	17.04	3260.12	-3240.62	452.79	N	174.76	E	484.79	2.66
	3361.00	13.88	17.04	3291.21	-3271.71	460.01	N	176.98	E	492.29	1.38
	3424.00	13.75	18.29	3352.39	-3332.89	474.34	N	181.54	E	507.25	0.52
	3487.00	13.19	15.04	3413.65	-3394.15	488.39	N	185.76	E	521.80	1.49
	3550.00	12.69	13.04	3475.05	-3455.55	502.08	N	189.18	E	535.70	1.07
	3613.00	13.13	17.92	3536.46	-3516.96	515.63	N	192.94	E	549.62	1.87
	3644.00	13.75	20.67	3566.61	-3547.11	522.42	N	195.33	E	556.80	2.87
	3676.00	14.25	21.92	3597.66	-3578.16	529.64	N	198.14	E	564.53	1.83
	3737.00	15.44	19.17	3656.62	-3637.12	544.27	N	203.61	E	580.13	2.27
	3801.00	15.94	16.92	3718.24	-3698.74	560.73	N	208.97	E	597.34	1.23
	3862.00	16.38	17.17	3776.83	-3757.33	576.96	N	213.94	E	614.20	0.73
	3893.00	15.88	18.42	3806.61	-3787.11	585.16	N	216.57	E	622.77	1.96
	3924.00	16.06	19.04	3836.41	-3816.91	593.23	N	219.31	E	631.26	0.80
	3956.00	16.31	21.04	3867.14	-3847.64	601.61	N	222.37	E	640.16	1.91
	3986.00	16.38	21.17	3895.93	-3876.43	609.49	N	225.41	E	648.59	0.26
	4017.00	18.31	22.17	3925.51	-3906.01	618.07	N	228.83	E	657.83	6.30
	4048.00	16.56	23.04	3955.09	-3935.59	626.65	N	232.39	E	667.11	5.71
	4080.00	16.38	23.17	3985.77	-3966.27	634.99	N	235.95	E	676.18	0.57
	4111.00	16.63	27.70	4015.50	-3996.00	642.94	N	239.73	E	684.98	4.23
	4142.00	16.94	30.67	4045.17	-4025.67	650.75	N	244.10	E	693.89	2.94
	4205.00	16.50	33.54	4105.51	-4086.01	666.10	N	253.72	E	711.82	1.48
	4237.00	15.31	34.54	4136.28	-4116.78	673.37	N	258.63	E	720.45	3.82
	4268.00	14.94	34.17	4166.21	-4146.71	680.05	N	263.20	E	728.40	1.23
	4300.00	14.81	33.04	4197.14	-4177.64	686.89	N	267.74	E	736.50	0.99
	4332.00	15.44	31.54	4228.03	-4208.53	693.95	N	272.20	E	744.76	2.32
	4364.00	15.69	31.67	4258.86	-4239.36	701.26	N	276.70	E	753.27	0.79
	4395.00	15.38	31.79	4288.72	-4269.22	708.32	N	281.07	E	761.49	1.00
	4427.00	15.31	32.29	4319.58	-4300.08	715.50	N	285.56	E	769.87	0.47
	4458.00	15.06	31.79	4349.50	-4330.00	722.38	N	289.87	E	777.91	0.91
	4490.00	15.56	31.04	4380.36	-4360.86	729.60	N	294.27	E	786.28	1.68
	4522.00	16.00	30.29	4411.16	-4391.66	737.08	N	298.71	E	794.92	1.52
	4553.00	15.06	30.17	4441.02	-4421.52	744.25	N	302.89	E	803.17	3.03
	4585.00	14.50	30.67	4471.97	-4452.47	751.29	N	307.02	E	811.28	1.79
	4617.00	14.88	35.04	4502.92	-4483.42	758.10	N	311.42	E	819.29	3.66
	4649.00	14.72	37.16	4533.86	-4514.36	764.71	N	316.24	E	827.28	1.76
	4680.00	14.38	36.17	4563.86	-4544.36	770.95	N	320.89	E	834.87	1.36
	4712.00	13.69	36.29	4594.91	-4575.41	777.21	N	325.47	E	842.45	2.16
	4744.00	12.88	35.79	4626.05	-4606.55	783.16	N	329.80	E	849.64	2.56
	4775.00	12.19	35.67	4656.31	-4636.81	788.62	N	333.73	E	856.22	2.23
	4807.00	11.44	36.92	4687.63	-4668.13	793.90	N	337.61	E	862.62	2.48
	4870.00	12.31	33.54	4749.28	-4729.78	804.49	N	345.07	E	875.32	1.77
	4902.00	12.88	35.04	4780.51	-4761.01	810.26	N	349.00	E	882.18	2.05
	4933.00	12.56	36.17	4810.75	-4791.25	815.81	N	352.98	E	888.87	1.31
	4965.00	13.50	33.17	4841.93	-4822.43	821.74	N	357.07	E	895.95	3.62
	4996.00	13.56	31.79	4872.07	-4852.57	827.86	N	360.97	E	903.12	1.06
	5028.00	13.25	32.79	4903.19	-4883.69	834.13	N	364.93	E	910.46	1.21
	5060.00	12.88	33.54	4934.36	-4914.86	840.19	N	368.89	E	917.60	1.27
	5091.00	12.88	28.29	4964.58	-4945.08	846.11	N	372.43	E	924.45	3.77
	5123.00	12.38	25.79	4995.81	-4976.31	852.34	N	375.61	E	931.43	2.31
	5154.00	11.50	25.92	5026.14	-5006.64	858.11	N	378.41	E	937.84	2.84
	5186.00	11.00	25.29	5057.52	-5038.02	863.74	N	381.11	E	944.08	1.61
	5218.00	10.69	25.79	5088.95	-5069.45	869.17	N	383.71	E	950.10	1.01
	5250.00	10.31	26.42	5120.42	-5100.92	874.41	N	386.27	E	955.93	1.24
	5281.00	9.94	25.92	5150.93	-5131.43	879.30	N	388.67	E	961.37	1.23
	5345.00	8.88	26.54	5214.07	-5194.57	888.69	N	393.30	E	971.83	1.66
	5408.00	8.06	25.54	5276.38	-5256.88	897.02	N	397.37	E	981.10	1.32
	5472.00	7.56	23.17	5339.79	-5320.29	904.94	N	400.96	E	989.79	0.93
	5535.00	6.94	23.67	5402.28	-5382.78	912.24	N	404.12	E	997.74	0.99
	5599.00	6.25	24.17	5465.86	-5446.36	918.96	N	407.10	E	1005.09	1.08
	5662.00	5.81	25.04	5528.51	-5509.01	924.97	N	409.86	E	1011.71	0.71
	5725.00	4.88	25.79	5591.23	-5571.73	930.28	N	412.37	E	1017.58	1.48
	5788.00	4.19	26.29	5654.03	-5634.53	934.75	N	414.56	E	1022.55	1.10
	5851.00	3.88	27.17	5716.88	-5697.38	938.71	N	416.55	E	1026.98	0.50
	5914.00	3.31	33.00	5779.75	-5760.25	942.13	N	418.51	E	1030.90	1.07
	5977.00	2.75	40.29	5842.66	-5823.16	944.81	N	420.48	E	1034.15	1.08
	6040.00	2.56	42.04	5905.60	-5886.10	947.01	N	422.40	E	1036.94	0.33

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Black Tail Ridge	NWSE-7-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-7-46 BTR	

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	6104.00	2.38	41.54	5969.54	-5950.04	949.06	N	424.24	E	1039.56	0.28
	6167.00	2.00	45.79	6032.49	-6012.99	950.81	N	425.89	E	1041.82	0.66
	6231.00	1.38	50.67	6096.46	-6076.96	952.08	N	427.29	E	1043.55	0.99
	6294.00	0.94	62.92	6159.45	-6139.95	952.79	N	428.34	E	1044.63	0.80
	6357.00	0.71	102.76	6222.44	-6202.94	952.94	N	429.18	E	1045.10	0.96
	6420.00	0.57	121.24	6285.44	-6265.94	952.69	N	429.83	E	1045.14	0.39
	6482.00	0.50	138.92	6347.43	-6327.93	952.33	N	430.27	E	1044.98	0.29
	6546.00	0.75	143.79	6411.43	-6391.93	951.78	N	430.70	E	1044.66	0.40
	6610.00	0.88	153.29	6475.42	-6455.92	951.00	N	431.17	E	1044.13	0.29
	6673.00	1.25	160.29	6538.41	-6518.91	949.93	N	431.62	E	1043.33	0.62
	6737.00	1.69	171.29	6602.39	-6582.89	948.34	N	431.99	E	1042.03	0.81
	6800.00	1.94	172.91	6665.36	-6645.86	946.36	N	432.27	E	1040.33	0.40
	6864.00	0.87	198.18	6729.34	-6709.84	944.82	N	432.25	E	1038.92	1.89
	6927.00	1.13	193.42	6792.33	-6772.83	943.76	N	431.96	E	1037.83	0.43
	6991.00	1.44	191.79	6856.31	-6836.81	942.36	N	431.65	E	1036.42	0.49
	7105.00	1.56	180.42	6970.27	-6950.77	939.41	N	431.34	E	1033.60	0.28
	7117.00	1.75	179.16	6982.27	-6962.77	939.06	N	431.34	E	1033.28	1.62
	7212.00	2.06	175.79	7077.21	-7057.71	935.91	N	431.49	E	1030.46	0.35
	7275.00	1.69	170.04	7140.18	-7120.68	933.86	N	431.73	E	1028.68	0.66
	7339.00	2.00	165.54	7204.15	-7184.65	931.85	N	432.17	E	1027.02	0.53
	7433.00	1.88	180.29	7298.09	-7278.59	928.72	N	432.58	E	1024.32	0.54
	7528.00	2.31	179.72	7393.03	-7373.53	925.25	N	432.58	E	1021.15	0.45
	7623.00	2.63	184.29	7487.94	-7468.44	921.16	N	432.42	E	1017.35	0.40
	7719.00	3.06	184.79	7583.82	-7564.32	916.41	N	432.05	E	1012.85	0.45
	7782.00	2.75	193.91	7646.74	-7627.24	913.27	N	431.54	E	1009.77	0.88
	7876.00	2.75	195.91	7740.63	-7721.13	908.91	N	430.38	E	1005.32	0.10
	7971.00	2.75	197.91	7835.52	-7816.02	904.55	N	429.06	E	1000.79	0.10
	8066.00	2.88	194.92	7930.41	-7910.91	900.08	N	427.74	E	996.17	0.21
	8162.00	2.88	195.29	8026.29	-8006.79	895.42	N	426.48	E	991.40	0.02
	8257.00	3.06	195.42	8121.16	-8101.66	890.68	N	425.18	E	986.53	0.19
	8351.00	3.31	190.04	8215.01	-8195.51	885.58	N	424.04	E	981.41	0.41
	8446.00	3.44	189.54	8309.85	-8290.35	880.07	N	423.09	E	975.99	0.14
	8509.00	3.44	193.04	8372.73	-8353.23	876.37	N	422.35	E	972.30	0.33
	8731.00	3.44	195.00	8594.33	-8574.83	863.45	N	419.12	E	959.18	0.05

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
BIA-EDA-2OG0005608  
6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** -- Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

11. Country or Parish, State  
Duchesne County, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Flaring Gas
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Bill Barrett Corporation (BBC) request permission to continue to flare gas on the # 7-7-46 BTR location. BBC is in the process of building a gathering system which should be completed in the next week.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 03/20/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

(Instructions on page 2)

MAR 24 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
BIA-EDA-20G0005608  
6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Flaring Gas
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Bill Barrett Corporation (BBC) request permission to continue to flare gas on the # 7-7-46 BTR location. This well well went on production on November 1, 2007. This oil well also produced associated gas during this period. BBC is in the process of building a gathering system which should be completed on March 28, 2008. Attached find the volume of gas that has been flared to date.

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed)

Title Permit Analyst

Signature

Date 03/24/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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**MAR 25 2008**

**DIV. OF OIL, GAS & MINING**

**Bill Barrett Corp. 7-7-46 BTR & 12-36-36 Wells**

## Flared Gas Associated with Oil Production

[illegible]

	MCF/D 7-7-46 BTR Jan. 2008	MCF/D 12-36-36 BTR
1/1/2008	184	NA
1/2/2008	175	NA
1/3/2008	170	NA
1/4/2008	144	NA
1/5/2008	168	650
1/6/2008	114	260
1/7/2008	114	190
1/8/2008	157	130
1/9/2008	160	70
1/10/2008	0	0
1/11/2008	125	0
1/12/2008	160	80
1/13/2008	198	180
1/14/2008	165	220
1/15/2008	150	300
1/16/2008	115	0
1/17/2008	90	0
1/18/2008	41	0
1/19/2008	138	0
1/20/2008	200	0
1/21/2008	122	0
1/22/2008	117	0
1/23/2008	224	0
1/24/2008	232	0
1/25/2008	225	0
1/26/2008	223	0
1/27/2008	223	0
1/28/2008	217	0
1/29/2008	207	0
1/30/2008	206	0
1/31/2008	201	0

	MCF/D 7-7-46 BTR Feb. 2008	MCF/D 12-36-36 BTR
2/1/2008	207	0
2/2/2008	206	0
2/3/2008	198	0
2/4/2008	194	0
2/5/2008	195	0
2/6/2008	187	0
2/7/2008	171	0
2/8/2008	173	0
2/9/2008	173	0
2/10/2008	157	0
2/11/2008	146	0
2/12/2008	132	*0
2/13/2008	95	*0
2/14/2008	123	*0
2/15/2008	142	*0
2/16/2008	118	*0
2/17/2008	68	*0
2/18/2008	152	0
2/19/2008	187	0
2/20/2008	121	0
2/21/2008	70	70
2/22/2008	195	70
2/23/2008	220	103
2/24/2008	297	78
2/25/2008	311	493
2/26/2008	161	643
2/27/2008	170	393
2/28/2008	161	185
2/29/2008	150	61

	MCF/D 7-7-46 BTR Mar-08	MCF/D 12-36-36 BTR
3/1/2008	160	75
3/2/2008	106	52
3/3/2008	90	56
3/4/2008	62	63
3/5/2008	60	73
3/6/2008	40	70
3/7/2008	40	81
3/8/2008	181	99
3/9/2008	123	113
3/10/2008	173	110
3/11/2008	189	127
3/12/2008	114	124
3/13/2008	154	154
3/14/2008	164	141
3/15/2008	147	149
3/16/2008	134	147
3/17/2008	129	134
3/18/2008	130	139
3/19/2008		
3/20/2008		
3/21/2008		
3/22/2008		
3/23/2008		
3/24/2008		
3/25/2008		
3/26/2008		
3/27/2008		
3/28/2008		
3/29/2008		
3/30/2008		
3/31/2008		

Total / month	822
---------------	-----

4965                      2080

4880 2096

2196 1907

Total mcf 7-7-46 BTR	12863
Total mcf 12-36-36 BTR	6083

- \* Zero values from 1-16-08 to 2-20-08 on the 12-36-36 well were not recorded. Completion engineer indicated to the production forman this was not needed as the gas was being flared. The values can be estimated if the BLM would prefer at an average of 160.07 mcf/d. This would add 4802.1 mcf to the 12-36 value for a total of 10885mcf. Both wells will average 43.4 mcf/d usage during the winter (75% run time factor) for a total of 81 days on the 7-7 & 59 days on the 12-36. These numbers back out the days that the wells were down for maintenance or not flowing.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AMENDED

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 1b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. BIA-EDA-20G0005608			
2. Name of Operator Bill Barrett Corporation						6. If Indian, Allottee or Tribe Name Ute Indian Tribe			
3. Address 1099 18th Street, Suite 2300 Denver, CO 80202				3a. Phone No. (include area code) (303) 312-8546		7. Unit or CA Agreement Name and No. N/A			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 2323' FSL x 2465' FEL At surface NW/4, SE/4, Sec. 7, T4S, R6W SW/4, NE/4, 2125' FNL x 2070' FEL At top prod. interval reported below At total depth SW/4, NE/4, 2141' FNL x 2043' FEL						8. Lease Name and Well No. # 7-7-46 BTR			
14. Date Spudded 07/14/2007						15. Date T.D. Reached 09/28/2007			
16. Date Completed 11/01/2007 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						9. AFI Well No. 43-013-33565			
18. Total Depth: MD 8731' TVD 8595'				19. Plug Back T.D.: MD TVD		10. Field and Pool or Exploratory Altamont			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Baker Hughes Triple Combo						11. Sec., T., R., M., on Block and Survey or Area Sec. 7, T4S, R6W			
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)						12. County or Parish Duchesne County			
23. Casing and Liner Record (Report all strings set in well)						13. State UT			
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16"Conduct.	1/4" wall	Surface	40'		Grout Cmt.		0'	
12 1/4"	9 5/8" - J-55	36 lbs.	Surface	912'		120 sxs - HLC	40 bbls.	0'	
						240 sxs - AG300	49 bbls.		
8 3/4"	5 1/2" P110	17 lbs.		8720'		170 sxs - HiFill	116 bbls.	800'	
						1000 sxs - 50/50	265 bbls.		
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 7/8"	6400'								
25. Producing Intervals					26. Perforation Record				
Formation		Top		Bottom	Perforated Interval		Size	No. Holes	Perf. Status
A) North Horn		7807'		8054'	7,807' - 8,054'		0.43"	21	Open
B) Wasatch		5762'		7640'	7,556' - 7,640'		0.43"	30	Open
C) Uteland Butte		5375'		5718'	6,956' - 7,338'		0.43"	18	Open
D)					6,407' - 6,667'		0.43"	30	Open
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval				Amount and Type of Material					
7,807' - 8,054'				70% CO2 foam frac; 894 bbls. LGC6; 189 bbls. of slickwater, 120,700 lbs. 20 - 40 sand.					
7,556' - 7,640'									
6,956' - 7,338'				1528 bbls. LGC6; 165 bbls. of slickwater, 110,588 lbs. 20 - 40 sand.					
6,407' - 6,667'									
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method Flowing
11/2/07	12/1/07	24	→	282	180	84	49	N/A	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	SI 150	1000	→	282	180	84	49	SI - Workover	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

\*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS & MINING

<b>26. PERFORATION RECORD (cont.)</b>				
<b>INTERVAL (Top/Bot-MD)</b>		<b>SIZE</b>	<b>NO. HOLES</b>	<b>PERFORATION STATUS</b>
5,886'	6,104'	0.430"	30	Open
5,582'	5,791'	0.430"	24	Open
5,375'	5,531'	0.430"	21	Open

<b>27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>	
<b>DEPTH INTERVAL</b>	<b>AMOUNT AND TYPE OF MATERIAL</b>
5,886' – 6,104'	1803 bbls. LGC6; 145 bbls. of slickwater, 140,896 lbs. 20 - 40 sand.
5,582' – 5,791'	2086 bbls. LGC6; 132 bbls. of slickwater, 161,638 lbs. 20 - 40 sand.
5,375' – 5,531'	1418 bbls. LGC6; 126 bbls. of slickwater, 106,736 lbs. 20 - 40 sand.



## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Castle Peak Uteland Butte	5156' 5467'
				TD	8731'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Reed HaddockTitle Permit AnalystSignature Reed HaddockDate 12/05/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: BIA-EDA-20G0005608
2. NAME OF OPERATOR: Bill Barrett Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
PHONE NUMBER: (303) 312-8546		8. WELL NAME and NUMBER: # 7-7-46 BTR
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2323' FSL x 2465' FEL COUNTY: Duchesne QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 7 T4S R6W STATE: UTAH		9. API NUMBER: 4301333565
		10. FIELD AND POOL, OR WILDCAT: Altamont

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: Request for "Wildcat" Status

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Bill Barrett Corporation (BBC) is requesting for "Wildcat" status for # 7-7-46 BTR well. Please find a map showing a one-mile radius around the location, the completion report, and a cross section showing the perms of the # 7-7-46 BTR. The known producing formations for this well is the North Horn (7807' - 8054'); Wasatch (5762' - 7640') and Uteland Butte (5375' - 5718'). There are no wells within a 1 mile radius of the bottom hole location. There is no known geologic structure and BBC has no pressure information available.

Also, attached find a Memorandum dated April 28, 2008 concerning (Re: Tax exemption under Section 59-5-102(2)(d)); the history of the "Blacktail Ridge Area Spacing Orders" from 1971 to present; and a CD disc outlining the well history of BBC current drilled wells in the Blacktail Ridge area. This disc contains complete drilling and completion chronology of the # 7-7-46 BTR.

COPY SENT TO OPERATOR

Date: 6-12-2008  
Initials: KS

RECEIVED

MAY 12 2008

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Reed Haddock</u>	TITLE <u>Permit Analyst</u>
SIGNATURE <u>Reed Haddock</u>	DATE <u>4/30/2008</u>

(This space for State use only)

REQUEST DENIED  
Utah Division of  
Oil, Gas and Mining

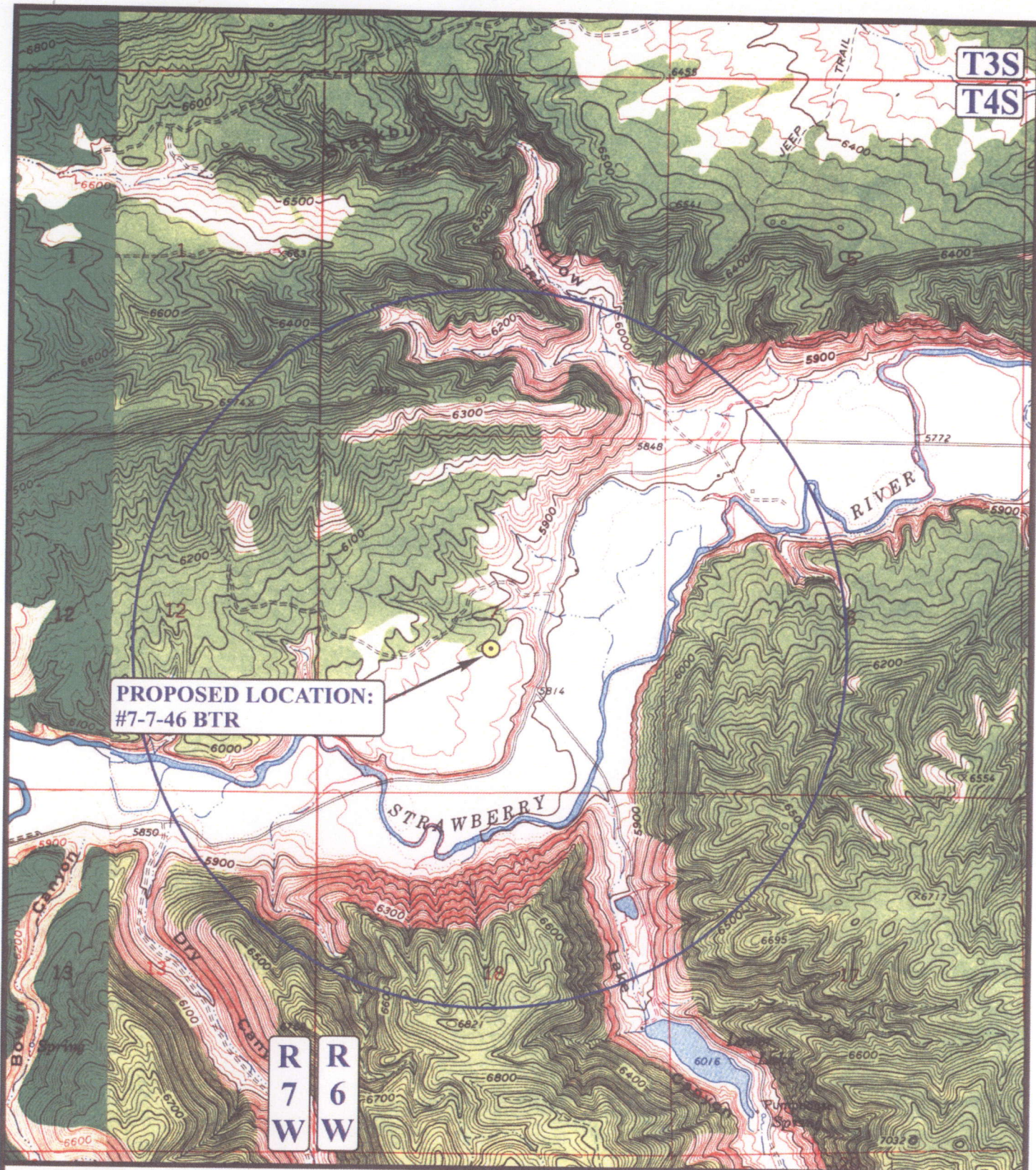
CC: Tax Commission

Date: 6/10/08  
By: [Signature]

(See Instructions on Reverse Side)

\* See attached Statement of Basis







## Memorandum

To: Utah Division of Oil, Gas and Mining

From: Bill Barrett Corporation  
Kurt Reinecke, SVP Exploration  
[kreinecke@billbarrettcorp.com](mailto:kreinecke@billbarrettcorp.com)  
303-312-8113

Re: Tax exemption under Section 59-5-102(2)(d)

Date: April 28, 2008

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In order to assist in the determination of well classifications for six recently drilled oil wells west of Duchesne, Utah, Bill Barrett Corporation offers the following information.

The overall context for 5 of these 6 wells is that they were drilled as part of a continuous drilling program to determine if results from historically poor, and sub-commercial, producing wells truly did defined the edge of Cedar Rim field. Additionally, since these wells were drilled as part of a continuous program, Bill Barrett Corporation was unable to evaluate the completion results on some of its wells prior to drilling the successive location, thereby further increasing the commercial risk. Results from these 6 high risk wells has encouraged us that we can indeed extend this field beyond its present limits, however we have paid the price for this exploration work via several apparently non-commercial wells.

**1. 7-7-46 BTR**

- a. Classification: Wildcat
- b. Location (2323 FSL x 2465 FEL sec. 7 T4S, R6W) – This well was spud on 7/14/2007. When drilled, no other well was located within 1 mile of its bottom hole location (2141 FNL x 2043 FEL), see attached forms, cross section and associated map. The 7-7-46 BTR is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones. This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**2. 12-36-36 BTR**

- a. Classification: Development [no forms submitted]
- b. Location (1837 FSL x 704 FWL sec. 36 T3S R6W) – This well was spud 10/8/2007, and is considered development because current production exists within 1 mile of the location (see attached map on cross section). However because the well was a step out away from known production, and also drilled to test deeper potential horizons, it is considered a high risk development well.

**3. 7-28-46 DLB**

- a. Classification: Wildcat
- b. Location (2028 FNL x 543 FEL sec. 28 T4S R6W) – This well was spud on 11/12/2007. When drilled, no other producing well was located within 1 mile of its bottom hole location (1963 FNL x 1786 FEL), see attached forms and Exhibit A. Four wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-28-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**4. 7-21-46 DLB**

- a. Classification: Wildcat
- b. Location (1795 FSL x 1718 FEL sec. 21 T4S R6W) – This well was spud 12/2/2007 directly after the 7-28-46 BTR, only the typical non-descript openhole logs were available, no completion work had yet been performed on 7-28-46 DLB. Two historical wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-21-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**5. 5-5-46 BTR**

- a. Classification: Wildcat
- b. Location (1718 FNL x 640 FWL sec. 5 T4S R6W) – This well was spud 12/7/2007. When this well was drilled two wells had been drilled within the 1 mile radius. Both these wells, drilled in 1985 and 1996, yielded sub-commercial quantities of production supporting the conclusion that these wells helped defined the southwestern edge of Cedar Rim field. The 5-5-46 BTR was a high risk well that challenged the field edge concept and was completed in a similar Green River – Wasatch interval as the two historical wells, but used hydraulic fracturing to stimulate the wellbore. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

## 6. 7-20-46 DLB

- a. Classification: Wildcat
- b. Location (2250 FNL x 2500 FWL sec 20 T4S R6W) – This well was spud on 12/28/2007. When this well was drilled 1 historical well existed within 1 mile. This well, drilled in 1979, produced sub-commercial amounts of oil and gas. The newly drilled 7-21-46 DLB also existed within the 1 mile radius but this well had not been completed at the time drilling commenced on the 7-20-46 DLB. The 7-20-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

### Explanation of Cross Section

- This display shows both newly drilled wells by BBC, as well as historical wells. Note how BBC well are generally drilled deeper than historical wells.
- Gamma ray and resistivity curves are presented.
- Log headers show well name and surface locations.
- Formation correlations used by Bill Barrett Corporation are indicated.
- Red markings to the left of the depth column on each well indicate where the well is completed.
- If production existed then the cumulative amount in BOE is shown along with the decline curve graph below the logs.
- The current operator is also shown below the logs.

The map in the lower right hand corner shows the general north to south cross section line.

- One mile radius circles, centered on the bottom hole location, are shown for each well that Bill Barrett Corporation has drilled.
- Posted at the well symbol is the well number on top and the cumulative production in MMBOE below the well symbol.
- The color highlight at each symbol shows a color representation of the wells cumulative MMBOE.



# Bill Barrett Corporation

## BLACKTAIL RIDGE AREA SPACING ORDERS

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Date: April 28, 2008

To: Doug Gundry-White

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### I. Second Amended Spacing Order – April 23, 2008 Hearing

Cause  
139-83

Summary of Order – Spacing Rules

Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.

Lands

Township 3 South, Range 5 West, USM  
Sections 1 to 36

Township 4 South, Range 5 West, USM  
Sections 1 to 6

Township 3 South, Range 6 West, USM  
Sections 1 to 12

Township 3 South, Range 7 West, USM  
Sections 1 to 12, 14 to 23, 26 to 29, and 32 to 35

### II. Spacing Rules Previously in Effect in Blacktail Ridge Area Lower Green River to Base of the Wasatch (640 acre units)

Cause

Summary of Order – Spacing Rules

139-77 Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.

139-42 Two wells allowed in each section, located at least 1,320' from any existing well and 660" from unit boundary (section line).

139-8 Wells to be located in the center of the NE $\frac{1}{4}$  with tolerance of 660' in any direction (also applies to #139-17 lands).

140-6 Wells to be located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  with a tolerance of 660' in any direction.

**Statewide Rules** Wells to be located in center of 40 acre qtr-qtr, with tolerance of 200' in any direction (Utah Administrative Rule R649-3-2)

### III. Prior Spacing Orders and Lands

#### 1. BBC Spacing Order #139-77 (June 18, 2007)

All wells shall be drilled 660' from the boundaries of the unit (section) and no closer than 1,320' from a well producing from the same formations without an exception location. No more than 2 wells producing from the Lower Green River - Wasatch formations without Board authorization.

3S	6W	15, 16, 17, 18, 19, 20, 21, 22 and 27, 28, 29, 30, 31, 32, 33, 34	All	Amends #139-8 for Sections 13, 14, 23, 24, 25, 26, 35, 36; amends #139-42 for all lands; amends 140-6 for 13, 24, 25, 36
4S	6W	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	Amends #139-17 for Sections 3 to 18; amends #139-42 for all lands
3S	7W	13, 24, 25 and 36	All	Amends #140-15 for 13 and 25; amends #139-42 and 140-6 for all lands

#### 2. Spacing Order 139-42 (April 1, 1985)

Effective 4-12-1985, prior orders in Cause Nos. 139-3; 139-4; 139-5; 139-8; 139-17 (Altamont); 131-11; 131-14; 131-24; 131-27; 131-32; 131-33; 131-34; 131-45; 131-55 (Bluebell); 140-6; and 140-7 (Cedar Rim-Sink Draw) are modified as of 4-12-1985 to allow for Additional Wells to be drilled in each section. The lower Green River/Wasatch formation is a pool as defined in Utah Code Ann. § 40-6-2(9) (1953, as amended).

Two wells may be drilled in each section based on geologic and engineering data to justify the additional well for recovery when economically feasible. Any additional well must be located at least 1,320' from the existing well on the unit and not closer than 660' from the boundary of the unit; and no two wells may be drilled in the same quarter section. All prior orders not consistent with this order are vacated (but existing orders that specify location of the initial wells in each section are not vacated).



3S	5W	1 to 36	All	Not amended by #139-77 To be amended by April 2008 BBC Application for Sections 1 to 36
3S	6W	1 to 36	All	Amended by #139-77 for Sections 13 to 36 To be amended by April 2008 BBC Application for Sections 1 to 12
3S	7W	1 to 36	All	Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

**3. Spacing Order 139-8****(September 20, 1972)**

640 acre drilling units established from top of the Lower Green River to base of the Green River-Wasatch formation.

Amends prior Orders entered in Causes 139-3; 139-4; and 139-5.

Spaced interval is now defined as from the top of the Lower Green River formation (TGR3 marker) to the base of the Green River-Wasatch formation (top of Cretaceous) by reference to the stratigraphic equivalent referenced against the Shell - Ute 1-18B5 and Brotherson 1-11B4 wells.

Permitted wells shall be located in the center of the NE¼ of the section comprising the drilling unit, with a tolerance of 660' in any direction, except for exceptions granted without a hearing for topography.

All prior orders not consistent with this order are hereby vacated.

4S	5W	1, 2, 3, 4, 5, 6	All	Amended by BBC Spacing Order #139-77
4S	6W	1 and 2		

**4. Spacing Order 140-6****(August 11, 1971)**

Makes permanent the one year spacing order in Cause No. 140-1 (8-19-1970), which set section drilling units for Lower Green River and Wasatch Formations on the lands in Section 3S-6W and 3S-7W (described below), and sets tolerance for each well as 220' from center of the SW¼NE¼ of each section on 640 acre spacing for Green River and Wasatch.

The Board made findings that there is communication between wells in adjacent sections and that one well will effectively drain the oil in one section.

By Order entered 2-17-1971 in Cause No. 140-4, Order 140-1 was extended and enlarged to include lands in 2S-7W (31 to 35); 2S-8W (31 to 36); 3S-7W (2 to 7 and 18, 19, 30 and 31); and 3S-8W (1 to 36).

The Order is now made permanent that drilling units shall be located in the center of the SW $\frac{1}{4}$ NE $\frac{1}{4}$  of each section with a tolerance of 660' in any direction.

3S	6W	7, 8, 9, 10	All	Not Amended by #139-77 To be amended by April 2008 BBC Application for Sections 7, 8, 9 and 10
3S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36		Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

#### 5. **Statewide Rules - Lands not Subject to Spacing Orders**

4S	5W	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	State Location (Siting) Rules.
4S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16		State Location (Siting) Rules.

#### IV. Notice Requirements – Spacing Area and Adjacent Lands

Under Order #139-77, working interest owners and operators of adjacent drilling units impacted by modification of the 660' tolerance window (under Order #140-6) were also notified, including Sections 7 to 11 of T3S, R6W and Section 12 of T3S, R7W.

By the same logic, the adjacent working interest owners and operators of the lands subject to Order #140-6 (which includes the lands from #140-1 and #140-4) should also be notified, including:

T3S, R7W	Sections 30 and 31
T3S, R8W	Sections 1, 12, 13, 24, 25 and 36
T2S, R7W	Sections 31 to 36
T2S, R8W	Section 36

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 1b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. BIA-EDA-20G0005608	
2. Name of Operator Bill Barrett Corporation						6. If Indian, Allottee or Tribe Name Ute Indian Tribe	
3. Address 1099 18th Street, Suite 2300 Denver, CO 80202				3a. Phone No. (include area code) (303) 312-8546		7. Unit or CA Agreement Name and No. N/A	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 2323' FSL x 2465' FEL At surface NW/4, SE/4, Sec. 7, T4S, R6W SW/4, NE/4, 2125' FNL x 2070' FEL At top prod. interval reported below At total depth SW/4, NE/4, 2141' FNL x 2043' FEL						8. Lease Name and Well No. # 7-7-46 BTR	
14. Date Spudded 07/14/2007		15. Date T.D. Reached 09/28/2007		16. Date Completed 11/01/2007 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		9. AFI Well No. 43-013-33565	
18. Total Depth: MD 8731' TVD 8595'		19. Plug Back T.D.: MD TVD		20. Depth Bridge Plug Set: MD TVD		10. Field and Pool or Exploratory Altamont	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Baker Hughes Triple Combo						11. Sec., T., R., M., on Block and Survey or Area Sec. 7, T4S, R6W	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)						12. County or Parish Duchesne County	
23. Casing and Liner Record (Report all strings set in well)						13. State UT	
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)
20"	16"Conduct.	1/4" wall	Surface	40'		Grout Cmt.	0'
12 1/4"	9 5/8" - J-55	36 lbs.	Surface	912'		120 sxs - HLC	40 bbls.
						240 sxs - AG300	49 bbls.
8 3/4"	5 1/2" P110	17 lbs.		8720'		170 sxs - HiFill	116 bbls.
						1000 sxs- 50/50	265 bbls.
24. Tubing Record							
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)
2 7/8"	6400'						
25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) North Horn	7807'	8054'	7,807' - 8,054'	0.43"	21	Open	
B) Wasatch	5762'	7640'	7,556' - 7,640'	0.43"	30	Open	
C) Ute/land Butte	5375'	5718'	6,956' - 7,338'	0.43"	18	Open	
D)			6,407' - 6,667'	0.43"	30	Open	
27. Acid, Fracture, Treatment, Cement Squeeze, etc.							
Depth Interval		Amount and Type of Material					
7,807' - 8,054'		70% CO2 foam frac; 894 bbls. LGC6; 189 bbls. of slickwater, 120,700 lbs. 20 - 40 sand.					
7,556' - 7,640'							
6,956' - 7,338'		1528 bbls. LGC6; 165 bbls. of slickwater, 110,588 lbs. 20 - 40 sand.					
6,407' - 6,667'							
28. Production - Interval A							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
11/2/07	12/1/07	24	→	282	180	84	49
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
20/64	150	1000	→	282	180	84	49
28a. Production - Interval B							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio
			→				

\*(See instructions and spaces for additional data on page 2)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Castle Peak Uteland Butte	5156' 5467'
				TD	8731'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Reed HaddockTitle Permit AnalystSignature Reed HaddockDate 12/05/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

26. PERFORATION RECORD (cont.)				
INTERVAL (Top/Bot-MD)		SIZE	NO. HOLES	PERFORATION STATUS
5,886'	6,104'	0.430"	30	Open
5,582'	5,791'	0.430"	24	Open
5,375'	5,531'	0.430"	21	Open

27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)	
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5,886' - 6,104'	1803 bbls. LGC6; 145 bbls. of slickwater, 140,896 lbs. 20 - 40 sand.
5,582' - 5,791'	2086 bbls. LGC6; 132 bbls. of slickwater, 161,638 lbs. 20 - 40 sand.
5,375' - 5,531'	1418 bbls. LGC6; 126 bbls. of slickwater, 106,736 lbs. 20 - 40 sand.

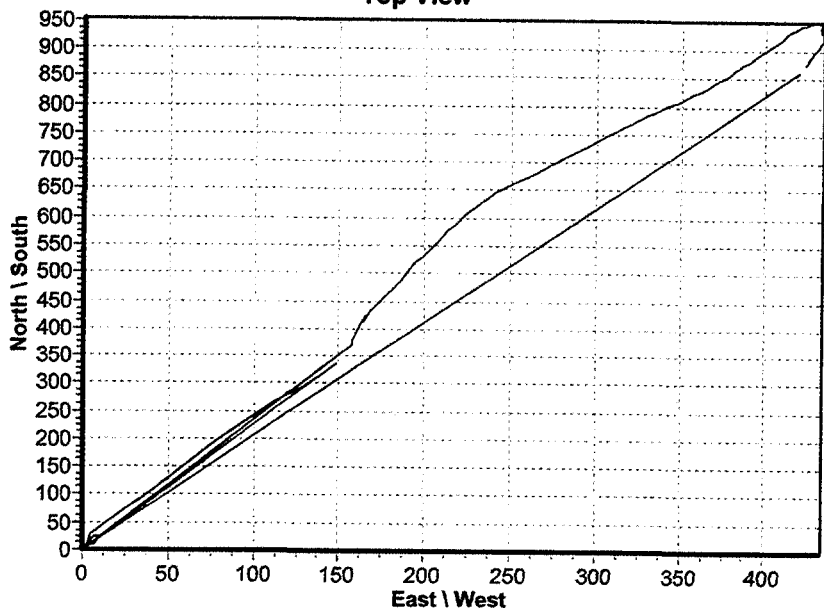
# Directional Plots

Wellcore

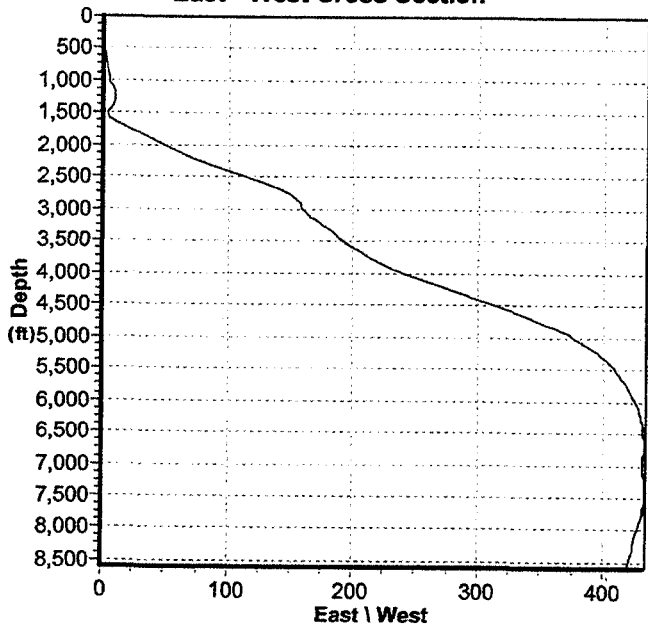
## Location Information

Business Unit :	Well :	API #/License :
Operations	#7-7-46 BTR	43-013-33565
Project :	Surface Location :	
Uinta	NWSE-7-4S-6W-W30M	
Phase/Area :	Bottom Hole Location :	
Black Tail Ridge	SWNE-7-4S-6W-W30M	

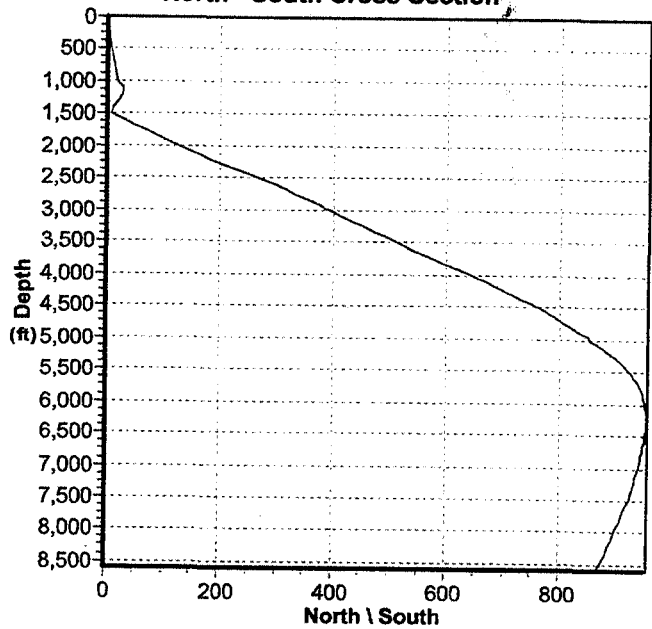
Top View



East - West Cross Section



North - South Cross Section



## Wellcore

## Business Unit

## Operations

Project

Uinta

Phase/Area

### Black Tail Ridge

Well Name

#7-7-46 BTR

Surface Location

NWSE-7-4S-6W-W30M

Main Hole :

### Survey Section Details

UWI	API #
SWNE-7-4S-6W-W30M	43-013-33565

Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date

Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
Sharewell / WEATHERFORD	23.84	12.04

Corrected

[illegible]

# Directional Surveys

Wellcore

## Location Information

Business Unit  
Operations  
Project  
Uinta

Phase/Area  
Black Tail Ridge  
Well Name  
#7-7-46 BTR

Surface Location  
NWSE-7-4S-6W-W30M  
Main Hole :

Extrap	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	3298.00	14.25	16.42	3230.02	-3210.52	445.68	N	172.63	E	477.43	1.69
	3329.00	13.44	17.04	3260.12	-3240.62	452.79	N	174.76	E	484.79	2.66
	3361.00	13.88	17.04	3291.21	-3271.71	460.01	N	176.98	E	492.29	1.38
	3424.00	13.75	18.29	3352.39	-3332.89	474.34	N	181.54	E	507.25	0.52
	3487.00	13.19	15.04	3413.65	-3394.15	488.39	N	185.76	E	521.80	1.49
	3550.00	12.69	13.04	3475.05	-3455.55	502.08	N	189.18	E	535.70	1.07
	3613.00	13.13	17.92	3536.46	-3516.96	515.63	N	192.94	E	549.62	1.87
	3644.00	13.75	20.67	3566.61	-3547.11	522.42	N	195.33	E	556.80	2.87
	3676.00	14.25	21.92	3597.66	-3578.16	529.64	N	198.14	E	564.53	1.83
	3737.00	15.44	19.17	3656.62	-3637.12	544.27	N	203.61	E	580.13	2.27
	3801.00	15.94	16.92	3718.24	-3698.74	560.73	N	208.97	E	597.34	1.23
	3862.00	16.38	17.17	3776.83	-3757.33	576.96	N	213.94	E	614.20	0.73
	3893.00	15.88	18.42	3806.61	-3787.11	585.16	N	216.57	E	622.77	1.96
	3924.00	16.06	19.04	3836.41	-3816.91	593.23	N	219.31	E	631.26	0.80
	3956.00	16.31	21.04	3867.14	-3847.64	601.61	N	222.37	E	640.16	1.91
	3986.00	16.38	21.17	3895.93	-3876.43	609.49	N	225.41	E	648.59	0.26
	4017.00	18.31	22.17	3925.51	-3906.01	618.07	N	228.83	E	657.83	6.30
	4048.00	16.56	23.04	3955.09	-3935.59	626.65	N	232.39	E	667.11	5.71
	4080.00	16.38	23.17	3985.77	-3966.27	634.99	N	235.95	E	676.18	0.57
	4111.00	16.63	27.70	4015.50	-3996.00	642.94	N	239.73	E	684.98	4.23
	4142.00	16.94	30.67	4045.17	-4025.67	650.75	N	244.10	E	693.89	2.94
	4205.00	16.50	33.54	4105.51	-4086.01	666.10	N	253.72	E	711.82	1.48
	4237.00	15.31	34.54	4136.28	-4116.78	673.37	N	258.63	E	720.45	3.82
	4268.00	14.94	34.17	4166.21	-4146.71	680.05	N	263.20	E	728.40	1.23
	4300.00	14.81	33.04	4197.14	-4177.64	686.89	N	267.74	E	736.50	0.99
	4332.00	15.44	31.54	4228.03	-4208.53	693.95	N	272.20	E	744.76	2.32
	4364.00	15.69	31.67	4258.86	-4239.36	701.26	N	276.70	E	753.27	0.79
	4395.00	15.38	31.79	4288.72	-4269.22	708.32	N	281.07	E	761.49	1.00
	4427.00	15.31	32.29	4319.58	-4300.08	715.50	N	285.56	E	769.87	0.47
	4458.00	15.06	31.79	4349.50	-4330.00	722.38	N	289.87	E	777.91	0.91
	4490.00	15.56	31.04	4380.36	-4360.86	729.60	N	294.27	E	786.28	1.68
	4522.00	16.00	30.29	4411.16	-4391.66	737.08	N	298.71	E	794.92	1.52
	4553.00	15.06	30.17	4441.02	-4421.52	744.25	N	302.89	E	803.17	3.03
	4585.00	14.50	30.67	4471.97	-4452.47	751.29	N	307.02	E	811.28	1.79
	4617.00	14.88	35.04	4502.92	-4483.42	758.10	N	311.42	E	819.29	3.66
	4649.00	14.72	37.16	4533.86	-4514.36	764.71	N	316.24	E	827.28	1.76
	4680.00	14.38	36.17	4563.86	-4544.36	770.95	N	320.89	E	834.87	1.36
	4712.00	13.69	36.29	4594.91	-4575.41	777.21	N	325.47	E	842.45	2.16
	4744.00	12.88	35.79	4626.05	-4606.55	783.16	N	329.80	E	849.64	2.56
	4775.00	12.19	35.67	4656.31	-4636.81	788.62	N	333.73	E	856.22	2.23
	4807.00	11.44	36.92	4687.63	-4668.13	793.90	N	337.61	E	862.62	2.48
	4870.00	12.31	33.54	4749.28	-4729.78	804.49	N	345.07	E	875.32	1.77
	4902.00	12.88	35.04	4780.51	-4761.01	810.26	N	349.00	E	882.18	2.05
	4933.00	12.56	36.17	4810.75	-4791.25	815.81	N	352.98	E	888.87	1.31
	4965.00	13.50	33.17	4841.93	-4822.43	821.74	N	357.07	E	895.95	3.62
	4996.00	13.56	31.79	4872.07	-4852.57	827.86	N	360.97	E	903.12	1.06
	5028.00	13.25	32.79	4903.19	-4883.69	834.13	N	364.93	E	910.46	1.21
	5060.00	12.88	33.54	4934.36	-4914.86	840.19	N	368.89	E	917.60	1.27
	5091.00	12.88	28.29	4964.58	-4945.08	846.11	N	372.43	E	924.45	3.77
	5123.00	12.38	25.79	4995.81	-4976.31	852.34	N	375.61	E	931.43	2.31
	5154.00	11.50	25.92	5026.14	-5006.64	858.11	N	378.41	E	937.84	2.84
	5186.00	11.00	25.29	5057.52	-5038.02	863.74	N	381.11	E	944.08	1.61
	5218.00	10.69	25.79	5088.95	-5069.45	869.17	N	383.71	E	950.10	1.01
	5250.00	10.31	26.42	5120.42	-5100.92	874.41	N	386.27	E	955.93	1.24
	5281.00	9.94	25.92	5150.93	-5131.43	879.30	N	388.67	E	961.37	1.23
	5345.00	8.88	26.54	5214.07	-5194.57	888.69	N	393.30	E	971.83	1.66
	5408.00	8.06	25.54	5276.38	-5256.88	897.02	N	397.37	E	981.10	1.32
	5472.00	7.56	23.17	5339.79	-5320.29	904.94	N	400.96	E	989.79	0.93
	5535.00	6.94	23.67	5402.28	-5382.78	912.24	N	404.12	E	997.74	0.99
	5599.00	6.25	24.17	5465.86	-5446.36	918.96	N	407.10	E	1005.09	1.08
	5662.00	5.81	25.04	5528.51	-5509.01	924.97	N	409.86	E	1011.71	0.71
	5725.00	4.88	25.79	5591.23	-5571.73	930.28	N	412.37	E	1017.58	1.48
	5788.00	4.19	26.29	5654.03	-5634.53	934.75	N	414.56	E	1022.55	1.10
	5851.00	3.88	27.17	5716.88	-5697.38	938.71	N	416.55	E	1026.98	0.50
	5914.00	3.31	33.00	5779.75	-5760.25	942.13	N	418.51	E	1030.90	1.07
	5977.00	2.75	40.29	5842.66	-5823.16	944.81	N	420.48	E	1034.15	1.08
	6040.00	2.56	42.04	5905.60	-5886.10	947.01	N	422.40	E	1036.94	0.33



# Directional Surveys

Wellcore

Location Information					
Business Unit		Phase/Area		Surface Location	
Operations		Black Tail Ridge		NWSE-7-4S-6W-W30M	
Project		Well Name		Main Hole :	
Uinta		#7-7-46 BTR			

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	6104.00	2.38	41.54	5969.54	-5950.04	949.06	N	424.24	E	1039.56	0.28
	6167.00	2.00	45.79	6032.49	-6012.99	950.81	N	425.89	E	1041.82	0.66
	6231.00	1.38	50.67	6096.46	-6076.96	952.08	N	427.29	E	1043.55	0.99
	6294.00	0.94	62.92	6159.45	-6139.95	952.79	N	428.34	E	1044.63	0.80
	6357.00	0.71	102.76	6222.44	-6202.94	952.94	N	429.18	E	1045.10	0.96
	6420.00	0.57	121.24	6285.44	-6265.94	952.69	N	429.83	E	1045.14	0.39
	6482.00	0.50	138.92	6347.43	-6327.93	952.33	N	430.27	E	1044.98	0.29
	6546.00	0.75	143.79	6411.43	-6391.93	951.78	N	430.70	E	1044.66	0.40
	6610.00	0.88	153.29	6475.42	-6455.92	951.00	N	431.17	E	1044.13	0.29
	6673.00	1.25	160.29	6538.41	-6518.91	949.93	N	431.62	E	1043.33	0.62
	6737.00	1.69	171.29	6602.39	-6582.89	948.34	N	431.99	E	1042.03	0.81
	6800.00	1.94	172.91	6665.36	-6645.86	946.36	N	432.27	E	1040.33	0.40
	6864.00	0.87	198.18	6729.34	-6709.84	944.82	N	432.25	E	1038.92	1.89
	6927.00	1.13	193.42	6792.33	-6772.83	943.76	N	431.96	E	1037.83	0.43
	6991.00	1.44	191.79	6856.31	-6836.81	942.36	N	431.65	E	1036.42	0.49
	7105.00	1.56	180.42	6970.27	-6950.77	939.41	N	431.34	E	1033.60	0.28
	7117.00	1.75	179.16	6982.27	-6962.77	939.06	N	431.34	E	1033.28	1.62
	7212.00	2.06	175.79	7077.21	-7057.71	935.91	N	431.49	E	1030.46	0.35
	7275.00	1.69	170.04	7140.18	-7120.68	933.86	N	431.73	E	1028.68	0.66
	7339.00	2.00	165.54	7204.15	-7184.65	931.85	N	432.17	E	1027.02	0.53
	7433.00	1.88	180.29	7298.09	-7278.59	928.72	N	432.58	E	1024.32	0.54
	7528.00	2.31	179.72	7393.03	-7373.53	925.25	N	432.58	E	1021.15	0.45
	7623.00	2.63	184.29	7487.94	-7468.44	921.16	N	432.42	E	1017.35	0.40
	7719.00	3.06	184.79	7583.82	-7564.32	916.41	N	432.05	E	1012.85	0.45
	7782.00	2.75	193.91	7646.74	-7627.24	913.27	N	431.54	E	1009.77	0.88
	7876.00	2.75	195.91	7740.63	-7721.13	908.91	N	430.38	E	1005.32	0.10
	7971.00	2.75	197.91	7835.52	-7816.02	904.55	N	429.06	E	1000.79	0.10
	8066.00	2.88	194.92	7930.41	-7910.91	900.08	N	427.74	E	996.17	0.21
	8162.00	2.88	195.29	8026.29	-8006.79	895.42	N	426.48	E	991.40	0.02
	8257.00	3.06	195.42	8121.16	-8101.66	890.68	N	425.18	E	986.53	0.19
	8351.00	3.31	190.04	8215.01	-8195.51	885.58	N	424.04	E	981.41	0.41
	8446.00	3.44	189.54	8309.85	-8290.35	880.07	N	423.09	E	975.99	0.14
	8509.00	3.44	193.04	8372.73	-8353.23	876.37	N	422.35	E	972.30	0.33
	8731.00	3.44	195.00	8594.33	-8574.83	863.45	N	419.12	E	959.18	0.05

DIVISION OF OIL, GAS AND MINING  
**Wildcat Well Determination**  
**STATEMENT OF BASIS**

**Applicant:** Bill Barrett Corporation

**Location:** NWSE Sec. 7 T4S, R6W USM, Duchesne County, Utah

**WELL NAME:** 7-7-46 BTR **API #:** 43-013-33565

**FINDINGS**

1. The subject well produces from the Wasatch formation.
2. The subject well was > 1 mile from any known production in the Wasatch formation at the time of first commercial production on November 2, 2007. See Attachment A for summary of current producing wells within the one (1) mile area of review.
3. The 14-7-46 BTR well (API # 43-013-33806) is the only other permitted well within a mile of the subject well. It is a valid APD, but has not been spud yet.
4. This well is subject to the order in Cause No. 139-17 that was approved by the Board of Oil, Gas and Mining on September 27, 1978, amended by Cause No. 139-42 that was approved by the Board of Oil, Gas and Mining on April 12, 1985 and further amended by Cause No. 139-77 that was approved by the Board of Oil, Gas and Mining on June 18, 2007 ("Orders"). The Orders define Sections 7 as a common source of supply (pool – see Utah Code Ann. 40-6-2(18)) for production from the Lower Green River and Wasatch formations.
5. Evidence presented in the Orders showed that there was enough geological and reservoir data to substantiate the existence of oil and gas in the Lower Green River and Wasatch Formations in this area. Several wells drilled in the surrounding area were submitted as evidence of this fact in these hearings.
6. The Wildcat Tax Credit application was received almost 6 months after completion of the 7-7-46 BTR well. Future submittals should be filed timely (see submittal requirements in R649-3-35-1).

**CONCLUSIONS**

Based on the findings above the Division has determined the 7-7-46 BTR well was drilled into a known producing area for the Lower Green River and Wasatch Formations. This well was drilled within a spaced drilling unit. The testimony presented in Cause No's. 139-17, 139-42 and 139-77 showed that the Lower Green River and Wasatch Formations were known to contain hydrocarbons in paying quantities in this area, insofar as much as the Board agreed and set up drilling and spacing units according to that evidence. No information was provided in the testimony or in the application that supported the subject well being drilled in a separate pool.

Therefore, the Division finds that this well does not qualify for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35 and the definition of a wildcat well in R649-1-1. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet  Date: 6/10/2008

CC: Utah State Tax Commission  
ATTN: Ken Petersen

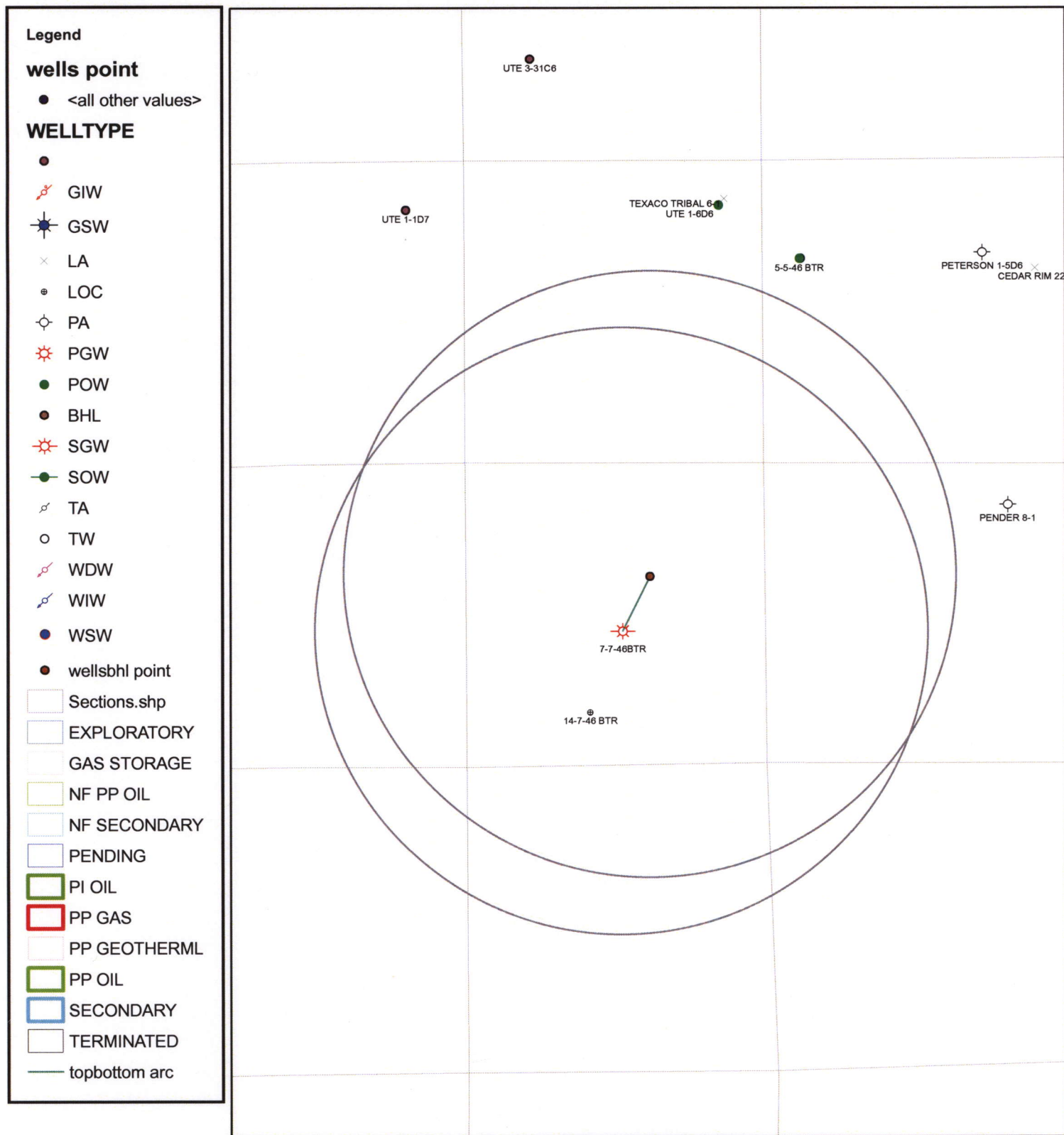
**ATTACHMENT A**

### 1 Mile Area Of Review

[illegible]

# BillBarret Corporation Wildcat Area of Review

## #7-7-46 BTR



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			5. LEASE DESIGNATION AND SERIAL NUMBER: BIA-EDA-2OG0005608
2. NAME OF OPERATOR: Bill Barrett Corporation			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300    CITY: Denver    STATE: CO    ZIP: 80202			7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2323' FSL x 2465' FEL COUNTY: Duchesne QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 7    T4S    R6W STATE: UTAH			8. WELL NAME and NUMBER: # 7-7-46 BTR
9. API NUMBER: 4301333565			10. FIELD AND POOL, OR WILDCAT: Altamont
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for "Wildcat" Status
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	
	<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Bill Barrett Corporation (BBC) is requesting for "Wildcat" status for # 7-7-46 BTR well. Please find a map showing a one-mile radius around the location, the completion report, and a cross section showing the perms of the # 7-7-46 BTR. The known producing formations for this well is the North Horn (7807' - 8054'); Wasatch (5762' - 7640') and Uteland Butte (5375' - 5718'). There are no wells within a 1 mile radius of the bottom hole location. There is no known geologic structure and BBC has no pressure information available.

Also, attached find a Memorandum dated April 28, 2008 concerning (Re: Tax exemption under Section 59-5-102(2)(d)); the history of the "Blacktail Ridge Area Spacing Orders" from 1971 to present; and a CD disc outlining the well history of BBC current drilled wells in the Blacktail Ridge area. This disc contains complete drilling and completion chronology of the # 7-7-46 BTR.

**RECEIVED**

**MAY 02 2008**

**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) <u>Reed Haddock</u>	TITLE <u>Permit Analyst</u>
SIGNATURE <u><i>Reed Haddock</i></u>	DATE <u>4/30/2008</u>

(This space for State use only)

**REQUEST DENIED**

Utah Division of  
Oil, Gas and Mining

Date: 6/10/08

By: *D. Haddock* (See Instructions on Reverse Side)

& See attached Statement of Bases



# **LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊕ WATER WELLS
- ⊖ ABANDONED WELLS
- ⊖ TEMPORARILY ABANDONED

## **BILL BARRETT CORPORATION**

#7-7-46 BTR  
SECTION 7, T4S, R6W, U.S.B.&M  
2323' FSL 2465' FEL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAHY 02 01 07  
MAP MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00



## Memorandum

To: Utah Division of Oil, Gas and Mining

From: Bill Barrett Corporation  
Kurt Reinecke, SVP Exploration  
[kreinecke@billbarrettcorp.com](mailto:kreinecke@billbarrettcorp.com)  
303-312-8113

Re: Tax exemption under Section 59-5-102(2)(d)

Date: April 28, 2008

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In order to assist in the determination of well classifications for six recently drilled oil wells west of Duchesne, Utah, Bill Barrett Corporation offers the following information.

The overall context for 5 of these 6 wells is that they were drilled as part of a continuous drilling program to determine if results from historically poor, and sub-commercial, producing wells truly did defined the edge of Cedar Rim field. Additionally, since these wells were drilled as part of a continuous program, Bill Barrett Corporation was unable to evaluate the completion results on some of its wells prior to drilling the successive location, thereby further increasing the commercial risk. Results from these 6 high risk wells has encouraged us that we can indeed extend this field beyond its present limits, however we have paid the price for this exploration work via several apparently non-commercial wells.

**1. 7-7-46 BTR**

- a. Classification: Wildcat
- b. Location (2323 FSL x 2465 FEL sec. 7 T4S, R6W) – This well was spud on 7/14/2007. When drilled, no other well was located within 1 mile of its bottom hole location (2141 FNL x 2043 FEL), see attached forms, cross section and associated map. The 7-7-46 BTR is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones. This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**2. 12-36-36 BTR**

- a. Classification: Development [no forms submitted]
- b. Location (1837 FSL x 704 FWL sec. 36 T3S R6W) – This well was spud 10/8/2007, and is considered development because current production exists within 1 mile of the location (see attached map on cross section). However because the well was a step out away from known production, and also drilled to test deeper potential horizons, it is considered a high risk development well.



**3. 7-28-46 DLB**

- a. Classification: Wildcat
- b. Location (2028 FNL x 543 FEL sec. 28 T4S R6W) – This well was spud on 11/12/2007. When drilled, no other producing well was located within 1 mile of its bottom hole location (1963 FNL x 1786 FEL), see attached forms and Exhibit A. Four wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-28-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**4. 7-21-46 DLB**

- a. Classification: Wildcat
- b. Location (1795 FSL x 1718 FEL sec. 21 T4S R6W) – This well was spud 12/2/2007 directly after the 7-28-46 BTR, only the typical non-descript openhole logs were available, no completion work had yet been performed on 7-28-46 DLB. Two historical wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-21-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**5. 5-5-46 BTR**

- a. Classification: Wildcat
- b. Location (1718 FNL x 640 FWL sec. 5 T4S R6W) – This well was spud 12/7/2007. When this well was drilled two wells had been drilled within the 1 mile radius. Both these wells, drilled in 1985 and 1996, yielded sub-commercial quantities of production supporting the conclusion that these wells helped defined the southwestern edge of Cedar Rim field. The 5-5-46 BTR was a high risk well that challenged the field edge concept and was completed in a similar Green River – Wasatch interval as the two historical wells, but used hydraulic fracturing to stimulate the wellbore. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**6. 7-20-46 DLB**

- a. Classification: Wildcat
- b. Location (2250 FNL x 2500 FWL sec 20 T4S R6W) – This well was spud on 12/28/2007. When this well was drilled 1 historical well existed within 1 mile. This well, drilled in 1979, produced sub-commercial amounts of oil and gas. The newly drilled 7-21-46 DLB also existed within the 1 mile radius but this well had not been completed at the time drilling commenced on the 7-20-46 DLB. The 7-20-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

Explanation of Cross Section

- This display shows both newly drilled wells by BBC, as well as historical wells. Note how BBC well are generally drilled deeper than historical wells.
- Gamma ray and resistivity curves are presented.
- Log headers show well name and surface locations.
- Formation correlations used by Bill Barrett Corporation are indicated.
- Red markings to the left of the depth column on each well indicate where the well is completed.
- If production existed then the cumulative amount in BOE is shown along with the decline curve graph below the logs.
- The current operator is also shown below the logs.

The map in the lower right hand corner shows the general north to south cross section line.

- One mile radius circles, centered on the bottom hole location, are shown for each well that Bill Barrett Corporation has drilled.
- Posted at the well symbol is the well number on top and the cumulative production in MMBOE below the well symbol.
- The color highlight at each symbol shows a color representation of the wells cumulative MMBOE.



# Bill Barrett Corporation

## BLACKTAIL RIDGE AREA SPACING ORDERS

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Date: April 28, 2008

To: Doug Gundry-White

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### I. Second Amended Spacing Order – April 23, 2008 Hearing

Cause  
139-83

Summary of Order – Spacing Rules

Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.

Lands

Township 3 South, Range 5 West, USM  
Sections 1 to 36

Township 4 South, Range 5 West, USM  
Sections 1 to 6

Township 3 South, Range 6 West, USM  
Sections 1 to 12

Township 3 South, Range 7 West, USM  
Sections 1 to 12, 14 to 23, 26 to 29, and 32 to 35

### II. Spacing Rules Previously in Effect in Blacktail Ridge Area Lower Green River to Base of the Wasatch (640 acre units)

Cause

Summary of Order – Spacing Rules

139-77 Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.

139-42 Two wells allowed in each section, located at least 1,320' from any existing well and 660" from unit boundary (section line).

139-8 Wells to be located in the center of the NE $\frac{1}{4}$  with tolerance of 660' in any direction (also applies to #139-17 lands).

140-6 Wells to be located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  with a tolerance of 660' in any direction.

**Statewide Rules** Wells to be located in center of 40 acre qtr-qtr, with tolerance of 200' in any direction (Utah Administrative Rule R649-3-2)

### III. Prior Spacing Orders and Lands

#### 1. BBC Spacing Order #139-77 (June 18, 2007)

All wells shall be drilled 660' from the boundaries of the unit (section) and no closer than 1,320' from a well producing from the same formations without an exception location. No more than 2 wells producing from the Lower Green River - Wasatch formations without Board authorization.

3S	6W	15, 16, 17, 18, 19, 20, 21, 22 and 27, 28, 29, 30, 31, 32, 33, 34	All	Amends #139-8 for Sections 13, 14, 23, 24, 25, 26, 35, 36; amends #139-42 for all lands; amends 140-6 for 13, 24, 25, 36
4S	6W	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	Amends #139-17 for Sections 3 to 18; amends #139-42 for all lands
3S	7W	13, 24, 25 and 36	All	Amends #140-15 for 13 and 25; amends #139-42 and 140-6 for all lands

#### 2. Spacing Order 139-42 (April 1, 1985)

Effective 4-12-1985, prior orders in Cause Nos. 139-3; 139-4; 139-5; 139-8; 139-17 (Altamont); 131-11; 131-14; 131-24; 131-27; 131-32; 131-33; 131-34; 131-45; 131-55 (Bluebell); 140-6; and 140-7 (Cedar Rim-Sink Draw) are modified as of 4-12-1985 to allow for Additional Wells to be drilled in each section. The lower Green River/Wasatch formation is a pool as defined in Utah Code Ann. § 40-6-2(9) (1953, as amended).

Two wells may be drilled in each section based on geologic and engineering data to justify the additional well for recovery when economically feasible. Any additional well must be located at least 1,320' from the existing well on the unit and not closer than 660' from the boundary of the unit; and no two wells may be drilled in the same quarter section. All prior orders not consistent with this order are vacated (but existing orders that specify location of the initial wells in each section are not vacated).

3S	5W	1 to 36	All	Not amended by #139-77 To be amended by April 2008 BBC Application for Sections 1 to 36
3S	6W	1 to 36	All	Amended by #139-77 for Sections 13 to 36 To be amended by April 2008 BBC Application for Sections 1 to 12
3S	7W	1 to 36	All	Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

**3. Spacing Order 139-8****(September 20, 1972)**

640 acre drilling units established from top of the Lower Green River to base of the Green River-Wasatch formation.

Amends prior Orders entered in Causes 139-3; 139-4; and 139-5.

Spaced interval is now defined as from the top of the Lower Green River formation (TGR3 marker) to the base of the Green River-Wasatch formation (top of Cretaceous) by reference to the stratigraphic equivalent referenced against the Shell - Ute 1-18B5 and Brotherson 1-11B4 wells.

Permitted wells shall be located in the center of the NE¼ of the section comprising the drilling unit, with a tolerance of 660' in any direction, except for exceptions granted without a hearing for topography.

All prior orders not consistent with this order are hereby vacated.

4S	5W	1, 2, 3, 4, 5, 6	All	Amended by BBC Spacing Order #139-77
4S	6W	1 and 2		

**4. Spacing Order 140-6****(August 11, 1971)**

Makes permanent the one year spacing order in Cause No. 140-1 (8-19-1970), which set section drilling units for Lower Green River and Wasatch Formations on the lands in Section 3S-6W and 3S-7W (described below), and sets tolerance for each well as 220' from center of the SW¼NE¼ of each section on 640 acre spacing for Green River and Wasatch.

The Board made findings that there is communication between wells in adjacent sections and that one well will effectively drain the oil in one section.

By Order entered 2-17-1971 in Cause No. 140-4, Order 140-1 was extended and enlarged to include lands in 2S-7W (31 to 35); 2S-8W (31 to 36); 3S-7W (2 to 7 and 18, 19, 30 and 31); and 3S-8W (1 to 36).

The Order is now made permanent that drilling units shall be located in the center of the SW $\frac{1}{4}$ NE $\frac{1}{4}$  of each section with a tolerance of 660' in any direction.

3S	6W	7, 8, 9, 10	All	Not Amended by #139-77 To be amended by April 2008 BBC Application for Sections 7, 8, 9 and 10
3S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36		Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

#### 5. Statewide Rules - Lands not Subject to Spacing Orders

4S	5W	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	State Location (Siting) Rules.
4S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16		State Location (Siting) Rules.

#### IV. Notice Requirements – Spacing Area and Adjacent Lands

Under Order #139-77, working interest owners and operators of adjacent drilling units impacted by modification of the 660' tolerance window (under Order #140-6) were also notified, including Sections 7 to 11 of T3S, R6W and Section 12 of T3S, R7W.

By the same logic, the adjacent working interest owners and operators of the lands subject to Order #140-6 (which includes the lands from #140-1 and #140-4) should also be notified, including:

T3S, R7W      Sections 30 and 31  
T3S, R8W      Sections 1, 12, 13, 24, 25 and 36  
T2S, R7W      Sections 31 to 36  
T2S, R8W      Section 36

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 1b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resrv., Other: _____						5. Lease Serial No. BIA-EDA-20G0005608			
2. Name of Operator Bill Barrett Corporation						6. If Indian, Allottee or Tribe Name Ute Indian Tribe			
3. Address 1099 18th Street, Suite 2300 Denver, CO 80202				3a. Phone No. (include area code) (303) 312-8546		7. Unit or CA Agreement Name and No. N/A			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 2323' FSL x 2465' FEL At surface NW/4, SE/4, Sec. 7, T4S, R6W SW/4, NE/4, 2125' FNL x 2070' FEL At top prod. interval reported below At total depth SW/4, NE/4, 2141' FNL x 2043' FEL						8. Lease Name and Well No. # 7-7-46 BTR 9. AFI Well No. 43-013-33565 10. Field and Pool or Exploratory Altamont 11. Sec., T., R., M., on Block and Survey or Area Sec. 7, T4S, R6W 12. County or Parish Duchesne County 13. State UT			
14. Date Spudded 07/14/2007		15. Date T.D. Reached 09/28/2007		16. Date Completed 11/01/2007 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 5915' GL			
18. Total Depth: MD 8731' TVD 8595'		19. Plug Back T.D.: MD TVD		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Baker Hughes Triple Combo				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)					
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16"Conduct.	1/4" wall	Surface	40'		Grout Cmt.		0'	
12 1/4"	9 5/8" - J-55	36 lbs.	Surface	912'		120 sxs - HLC	40 bbls.	0'	
						240 sxs - AG300	49 bbls.		
8 3/4"	5 1/2" P110	17 lbs.		8720'		170 sxs - HiFill	116 bbls.	800'	
						1000 sxs - 50/50	265 bbls.		
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 7/8"	6400'								
25. Producing Intervals									
Formation	Top	Bottom	26. Perforation Record						
			Perforated Interval	Size	No. Holes	Perf. Status			
A) North Horn	7807'	8054'	7,807' - 8,054'	0.43"	21	Open			
B) Wasatch	5762'	7640'	7,556' - 7,640'	0.43"	30	Open			
C) Ute/land Butte	5375'	5718'	6,956' - 7,338'	0.43"	18	Open			
D)			6,407' - 6,667'	0.43"	30	Open			
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval			Amount and Type of Material						
7,807' - 8,054'			70% CO2 foam frac; 894 bbls. LGC6; 189 bbls. of slickwater, 120,700 lbs. 20 - 40 sand.						
7,556' - 7,640'									
6,956' - 7,338'			1528 bbls. LGC6; 165 bbls. of slickwater, 110,588 lbs. 20 - 40 sand.						
6,407' - 6,667'									
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/2/07	12/1/07	24	→	282	180	84	49	N/A	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	SI 150	1000	→	282	180	84	49	SI - Workover	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

\*(See instructions and spaces for additional data on page 2)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Castle Peak Uteland Butte	5156' 5467'
				TD	8731'

32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

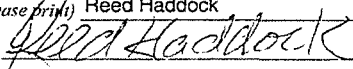
- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Reed Haddock

Title Permit Analyst

Signature



Date 12/05/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



26. PERFORATION RECORD (cont.)				
INTERVAL (Top/Bot-MD)		SIZE	NO. HOLES	PERFORATION STATUS
5.886'	6.104'	0.430"	30	Open
5.582'	5.791'	0.430"	24	Open
5.375'	5.531'	0.430"	21	Open

27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)	
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5.886' - 6.104'	1803 bbls. LGC6; 145 bbls. of slickwater, 140,896 lbs. 20 - 40 sand.
5.582' - 5.791'	2086 bbls. LGC6; 132 bbls. of slickwater, 161,638 lbs. 20 - 40 sand.
5.375' - 5.531'	1418 bbls. LGC6; 126 bbls. of slickwater, 106,736 lbs. 20 - 40 sand.

# Directional Plots

Wellcore

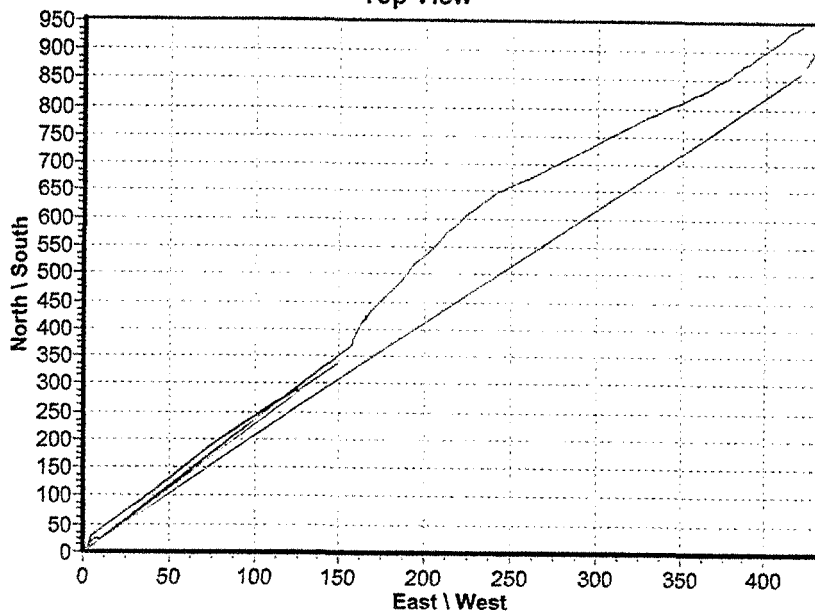
## Location Information

Business Unit :  
Operations  
Project :  
Uinta  
Phase/Area :  
Black Tail Ridge

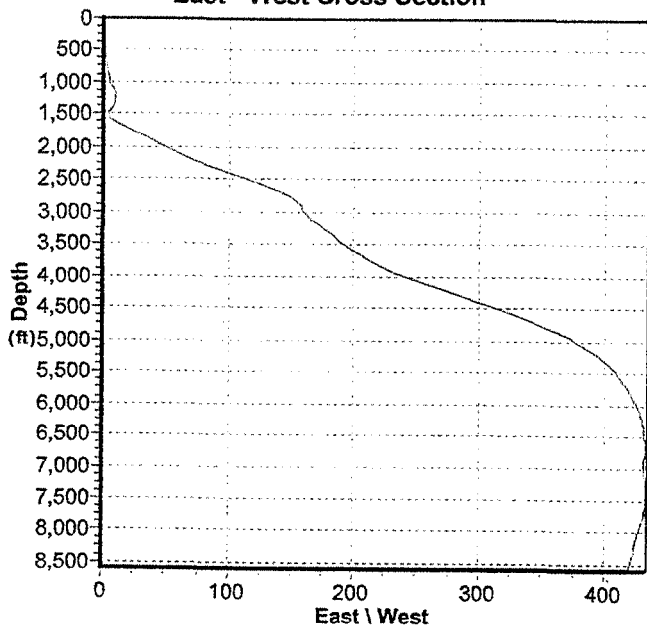
Well :  
#7-7-46 BTR  
Surface Location :  
NWSE-7-4S-6W-W30M  
Bottom Hole Location :  
SWNE-7-4S-6W-W30M

API #/License :  
43-013-33565

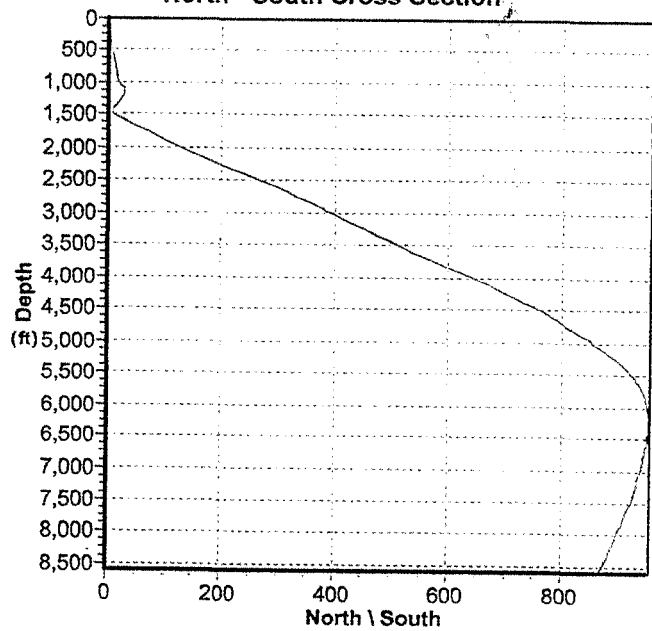
Top View



East - West Cross Section



North - South Cross Section



## Wellcore

Business Unit  
Operations  
Project  
Unit

Phase/Area  
Black Tail Ridge  
Well Name  
#7-7-46 BTR

Surface Location  
NWSE-7-4S-6W-W30M  
Main Hole :

### Survey Section Details

UWI	API #
SWNE-7-4S-6W-W30M	43-013-33565

Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date

Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
Sharewell / WEATHERFORD	23.84	12.04

Corrected

[illegible]

Directional Surveys

Wellcore

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Black Tail Ridge	NWSE-7-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-7-46 BTR	

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	3298.00	14.25	16.42	3230.02	-3210.52	445.68	N	172.63	E	477.43	1.69
	3329.00	13.44	17.04	3260.12	-3240.62	452.79	N	174.76	E	484.79	2.66
	3361.00	13.88	17.04	3291.21	-3271.71	460.01	N	176.98	E	492.29	1.38
	3424.00	13.75	18.29	3352.39	-3332.89	474.34	N	181.54	E	507.25	0.52
	3487.00	13.19	15.04	3413.65	-3394.15	488.39	N	185.76	E	521.80	1.49
	3550.00	12.69	13.04	3475.05	-3455.55	502.08	N	189.18	E	535.70	1.07
	3613.00	13.13	17.92	3536.46	-3516.96	515.63	N	192.94	E	549.62	1.87
	3644.00	13.75	20.67	3566.61	-3547.11	522.42	N	195.33	E	556.80	2.87
	3676.00	14.25	21.92	3597.66	-3578.16	529.64	N	198.14	E	564.53	1.83
	3737.00	15.44	19.17	3656.62	-3637.12	544.27	N	203.61	E	580.13	2.27
	3801.00	15.94	16.92	3718.24	-3698.74	560.73	N	208.97	E	597.34	1.23
	3862.00	16.38	17.17	3776.83	-3757.33	576.96	N	213.94	E	614.20	0.73
	3893.00	15.88	18.42	3806.61	-3787.11	585.16	N	216.57	E	622.77	1.96
	3924.00	16.06	19.04	3836.41	-3816.91	593.23	N	219.31	E	631.26	0.80
	3956.00	16.31	21.04	3867.14	-3847.64	601.61	N	222.37	E	640.16	1.91
	3986.00	16.38	21.17	3895.93	-3876.43	609.49	N	225.41	E	648.59	0.26
	4017.00	18.31	22.17	3925.51	-3906.01	618.07	N	228.83	E	657.83	6.30
	4048.00	16.56	23.04	3955.09	-3935.59	626.65	N	232.39	E	667.11	5.71
	4080.00	16.38	23.17	3985.77	-3966.27	634.99	N	235.95	E	676.18	0.57
	4111.00	16.63	27.70	4015.50	-3996.00	642.94	N	239.73	E	684.98	4.23
	4142.00	16.94	30.67	4045.17	-4025.67	650.75	N	244.10	E	693.89	2.94
	4205.00	16.50	33.54	4105.51	-4086.01	666.10	N	253.72	E	711.82	1.48
	4237.00	15.31	34.54	4136.28	-4116.78	673.37	N	258.63	E	720.45	3.82
	4268.00	14.94	34.17	4166.21	-4146.71	680.05	N	263.20	E	728.40	1.23
	4300.00	14.81	33.04	4197.14	-4177.64	686.89	N	267.74	E	736.50	0.99
	4332.00	15.44	31.54	4228.03	-4208.53	693.95	N	272.20	E	744.76	2.32
	4364.00	15.69	31.67	4258.86	-4239.36	701.26	N	276.70	E	753.27	0.79
	4395.00	15.38	31.79	4288.72	-4269.22	708.32	N	281.07	E	761.49	1.00
	4427.00	15.31	32.29	4319.58	-4300.08	715.50	N	285.56	E	769.87	0.47
	4458.00	15.06	31.79	4349.50	-4330.00	722.38	N	289.87	E	777.91	0.91
	4490.00	15.56	31.04	4380.36	-4360.86	729.60	N	294.27	E	786.28	1.68
	4522.00	16.00	30.29	4411.16	-4391.66	737.08	N	298.71	E	794.92	1.52
	4553.00	15.06	30.17	4441.02	-4421.52	744.25	N	302.89	E	803.17	3.03
	4585.00	14.50	30.67	4471.97	-4452.47	751.29	N	307.02	E	811.28	1.79
	4617.00	14.88	35.04	4502.92	-4483.42	758.10	N	311.42	E	819.29	3.86
	4649.00	14.72	37.16	4533.86	-4514.36	764.71	N	316.24	E	827.28	1.76
	4680.00	14.38	36.17	4563.86	-4544.36	770.95	N	320.89	E	834.87	1.36
	4712.00	13.69	36.29	4594.91	-4575.41	777.21	N	325.47	E	842.45	2.16
	4744.00	12.88	35.79	4626.05	-4606.55	783.16	N	329.80	E	849.64	2.56
	4775.00	12.19	35.67	4656.31	-4636.81	788.62	N	333.73	E	856.22	2.23
	4807.00	11.44	36.92	4687.63	-4668.13	793.90	N	337.61	E	862.62	2.48
	4870.00	12.31	33.54	4749.28	-4729.78	804.49	N	345.07	E	875.32	1.77
	4902.00	12.88	35.04	4780.51	-4761.01	810.26	N	349.00	E	882.18	2.05
	4933.00	12.56	36.17	4810.75	-4791.25	815.81	N	352.98	E	888.87	1.31
	4965.00	13.50	33.17	4841.93	-4822.43	821.74	N	357.07	E	895.95	3.62
	4996.00	13.56	31.79	4872.07	-4852.57	827.86	N	360.97	E	903.12	1.06
	5028.00	13.25	32.79	4903.19	-4883.69	834.13	N	364.93	E	910.46	1.21
	5060.00	12.88	33.54	4934.36	-4914.86	840.19	N	368.89	E	917.60	1.27
	5091.00	12.88	28.29	4964.58	-4945.08	846.11	N	372.43	E	924.45	3.77
	5123.00	12.38	25.79	4995.81	-4976.31	852.34	N	375.61	E	931.43	2.31
	5154.00	11.50	25.92	5026.14	-5006.64	858.11	N	378.41	E	937.84	2.84
	5186.00	11.00	25.29	5057.52	-5038.02	863.74	N	381.11	E	944.08	1.61
	5218.00	10.69	25.79	5088.95	-5069.45	869.17	N	383.71	E	950.10	1.01
	5250.00	10.31	26.42	5120.42	-5100.92	874.41	N	386.27	E	955.93	1.24
	5281.00	9.94	25.92	5150.93	-5131.43	879.30	N	388.67	E	961.37	1.23
	5345.00	8.88	26.54	5214.07	-5194.57	888.69	N	393.30	E	971.83	1.66
	5408.00	8.06	25.54	5276.38	-5256.88	897.02	N	397.37	E	981.10	1.32
	5472.00	7.56	23.17	5339.79	-5320.29	904.94	N	400.96	E	989.79	0.93
	5535.00	6.94	23.67	5402.28	-5382.78	912.24	N	404.12	E	997.74	0.99
	5599.00	6.25	24.17	5465.86	-5446.36	918.96	N	407.10	E	1005.09	1.08
	5662.00	5.81	25.04	5528.51	-5509.01	924.97	N	409.86	E	1011.71	0.71
	5725.00	4.88	25.79	5591.23	-5571.73	930.28	N	412.37	E	1017.58	1.48
	5788.00	4.19	26.29	5654.03	-5634.53	934.75	N	414.56	E	1022.55	1.10
	5851.00	3.88	27.17	5716.88	-5697.38	938.71	N	416.55	E	1026.98	0.50
	5914.00	3.31	33.00	5779.75	-5760.25	942.13	N	418.51	E	1030.90	1.07
	5977.00	2.75	40.29	5842.66	-5823.16	944.81	N	420.48	E	1034.15	1.08
	6040.00	2.56	42.04	5905.60	-5886.10	947.01	N	422.40	E	1036.94	0.33

Directional Surveys

Wellcore

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Black Tail Ridge	NWSE-7-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-7-46 BTR	

Extrap	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	6104.00	2.38	41.54	5969.54	-5950.04	949.06	N	424.24	E	1039.56	0.28
	6167.00	2.00	45.79	6032.49	-6012.99	950.81	N	425.89	E	1041.82	0.66
	6231.00	1.38	50.67	6096.46	-6076.96	952.08	N	427.29	E	1043.55	0.99
	6294.00	0.94	62.92	6159.45	-6139.95	952.79	N	428.34	E	1044.63	0.80
	6357.00	0.71	102.76	6222.44	-6202.94	952.94	N	429.18	E	1045.10	0.96
	6420.00	0.57	121.24	6285.44	-6265.94	952.69	N	429.83	E	1045.14	0.39
	6482.00	0.50	138.92	6347.43	-6327.93	952.33	N	430.27	E	1044.98	0.29
	6546.00	0.75	143.79	6411.43	-6391.93	951.78	N	430.70	E	1044.66	0.40
	6610.00	0.88	153.29	6475.42	-6455.92	951.00	N	431.17	E	1044.13	0.29
	6673.00	1.25	160.29	6538.41	-6518.91	949.93	N	431.62	E	1043.33	0.62
	6737.00	1.69	171.29	6602.39	-6582.89	948.34	N	431.99	E	1042.03	0.81
	6800.00	1.94	172.91	6665.36	-6645.86	946.36	N	432.27	E	1040.33	0.40
	6864.00	0.87	198.18	6729.34	-6709.84	944.82	N	432.25	E	1038.92	1.89
	6927.00	1.13	193.42	6792.33	-6772.83	943.76	N	431.96	E	1037.83	0.43
	6991.00	1.44	191.79	6856.31	-6836.81	942.36	N	431.65	E	1036.42	0.49
	7105.00	1.56	180.42	6970.27	-6950.77	939.41	N	431.34	E	1033.60	0.28
	7117.00	1.75	179.16	6982.27	-6962.77	939.06	N	431.34	E	1033.28	1.62
	7212.00	2.06	175.79	7077.21	-7057.71	935.91	N	431.49	E	1030.46	0.35
	7275.00	1.69	170.04	7140.18	-7120.68	933.86	N	431.73	E	1028.68	0.66
	7339.00	2.00	165.54	7204.15	-7184.65	931.85	N	432.17	E	1027.02	0.53
	7433.00	1.88	180.29	7298.09	-7278.59	928.72	N	432.58	E	1024.32	0.54
	7528.00	2.31	179.72	7393.03	-7373.53	925.25	N	432.58	E	1021.15	0.45
	7623.00	2.63	184.29	7487.94	-7468.44	921.16	N	432.42	E	1017.35	0.40
	7719.00	3.06	184.79	7583.82	-7564.32	916.41	N	432.05	E	1012.85	0.45
	7782.00	2.75	193.91	7646.74	-7627.24	913.27	N	431.54	E	1009.77	0.88
	7876.00	2.75	195.91	7740.63	-7721.13	908.91	N	430.38	E	1005.32	0.10
	7971.00	2.75	197.91	7835.52	-7816.02	904.55	N	429.06	E	1000.79	0.10
	8066.00	2.88	194.92	7930.41	-7910.91	900.08	N	427.74	E	996.17	0.21
	8162.00	2.88	195.29	8026.29	-8006.79	895.42	N	426.48	E	991.40	0.02
	8257.00	3.06	195.42	8121.16	-8101.66	890.68	N	425.18	E	986.53	0.19
	8351.00	3.31	190.04	8215.01	-8195.51	885.58	N	424.04	E	981.41	0.41
	8446.00	3.44	189.54	8309.85	-8290.35	880.07	N	423.09	E	975.99	0.14
	8509.00	3.44	193.04	8372.73	-8353.23	876.37	N	422.35	E	972.30	0.33
	8731.00	3.44	195.00	8594.33	-8574.83	863.45	N	419.12	E	959.18	0.05

DIVISION OF OIL, GAS AND MINING  
**Wildcat Well Determination**  
**STATEMENT OF BASIS**

**Applicant:** Bill Barrett Corporation

**Location:** NWSE Sec. 7 T4S, R6W USM, Duchesne County, Utah

**WELL NAME:** 7-7-46 BTR **API #:** 43-013-33565

**FINDINGS**

1. The subject well produces from the Wasatch formation.
2. The subject well was > 1 mile from any known production in the Wasatch formation at the time of first commercial production on November 2, 2007. See Attachment A for summary of current producing wells within the one (1) mile area of review.
3. The 14-7-46 BTR well (API # 43-013-33806) is the only other permitted well within a mile of the subject well. It is a valid APD, but has not been spud yet.
4. This well is subject to the order in Cause No. 139-17 that was approved by the Board of Oil, Gas and Mining on September 27, 1978, amended by Cause No. 139-42 that was approved by the Board of Oil, Gas and Mining on April 12, 1985 and further amended by Cause No. 139-77 that was approved by the Board of Oil, Gas and Mining on June 18, 2007 ("Orders"). The Orders define Sections 7 as a common source of supply (pool – see Utah Code Ann. 40-6-2(18)) for production from the Lower Green River and Wasatch formations.
5. Evidence presented in the Orders showed that there was enough geological and reservoir data to substantiate the existence of oil and gas in the Lower Green River and Wasatch Formations in this area. Several wells drilled in the surrounding area were submitted as evidence of this fact in these hearings.
6. The Wildcat Tax Credit application was received almost 6 months after completion of the 7-7-46 BTR well. Future submittals should be filed timely (see submittal requirements in R649-3-35-1).

**CONCLUSIONS**

Based on the findings above the Division has determined the 7-7-46 BTR well was drilled into a known producing area for the Lower Green River and Wasatch Formations. This well was drilled within a spaced drilling unit. The testimony presented in Cause No's. 139-17, 139-42 and 139-77 showed that the Lower Green River and Wasatch Formations were known to contain hydrocarbons in paying quantities in this area, insofar as much as the Board agreed and set up drilling and spacing units according to that evidence. No information was provided in the testimony or in the application that supported the subject well being drilled in a separate pool.

Therefore, the Division finds that this well does not qualify for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35 and the definition of a wildcat well in R649-1-1. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet  Date: 6/10/2008

CC: Utah State Tax Commission  
ATTN: Ken Petersen

**ATTACHMENT A**

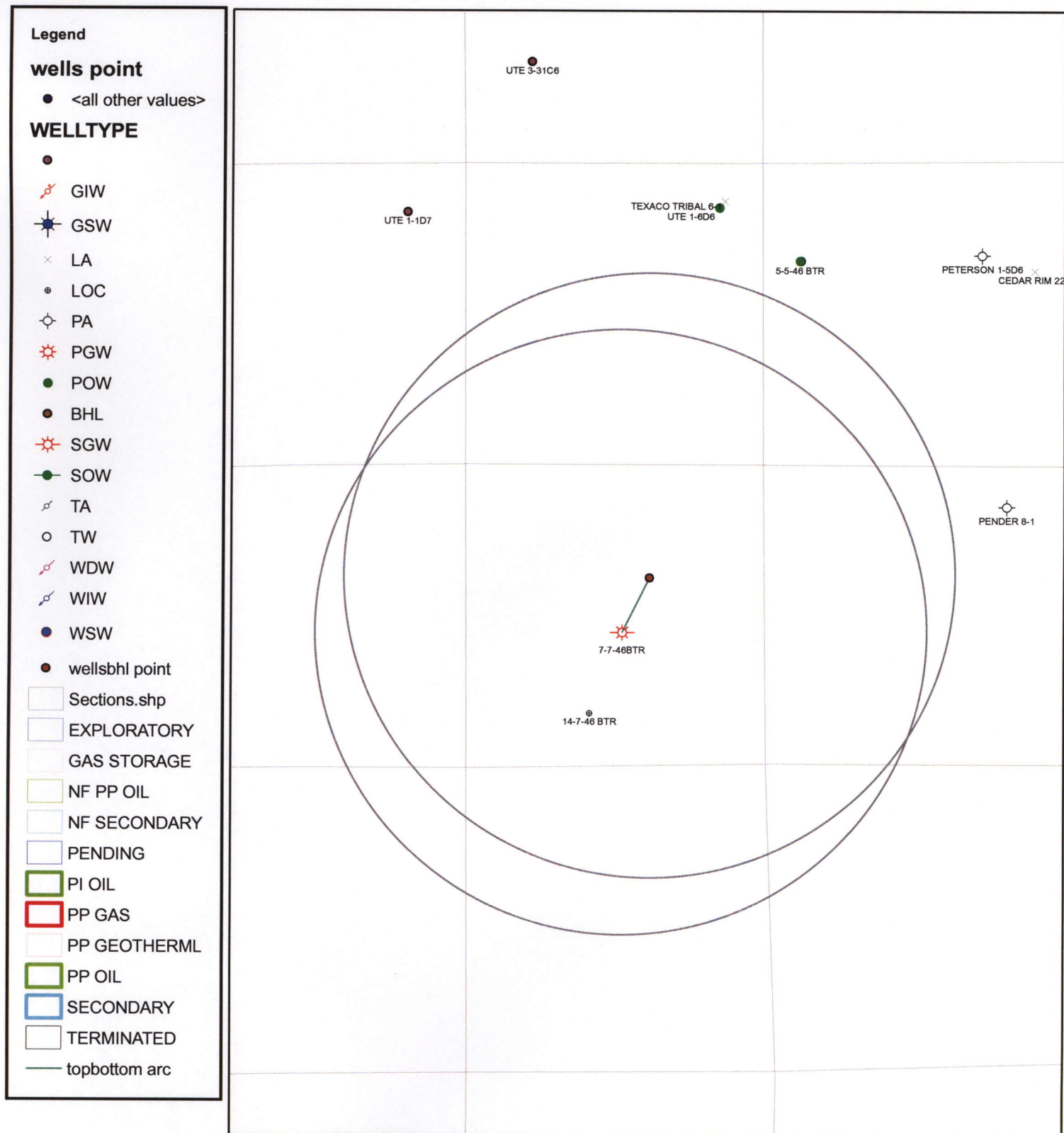
## 1 Mile Area Of Review

[illegible]



# BillBarret Corporation Wildcat Area of Review

## #7-7-46 BTR









UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

## SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **Bill Barrett Corporation**3a. Address  
**1099 18th Street, Suite 2300, Denver, CO 80202**3b. Phone No. (include area code)  
**303-312-8546**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**2323' FSL, 2465' FEL  
NWSE, Section 7, T4S, R6W**

5. Lease Serial No.

**BIA-EDA-20G0005608**

6. If Indian, Allottee or Tribe Name

**UTE INDIAN TRIBE**7. If Unit or CA/Agreement, Name and/or No.  
**N/A**

8. Well Name and No.

**# 7-7-46 BTR**

9. API Well No.

**43-013-33565**10. Field and Pool, or Exploratory Area  
**ALTAMONT**

11. County or Parish, State

**DUCHESNE COUNTY**

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Commingle</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Bill Barrett Corporation (BBC) request permission to commingle the Wasatch and Green River Formations for the # 7-7-46 BTR.**

COPY SENT TO OPERATOR

Date: 9.8.2008Initials: KS

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) <b>Reed Haddock</b>	Title <b>Permit Analyst</b>
Signature <i>Reed Haddock</i>	Date <b>07/23/2008</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Accepted by the <b>Utah Division of Oil, Gas and Mining</b>	Federal Approval of This Action Is Necessary
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Date: <u>9/3/08</u> Office: <u>SAVANA</u>	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any false statement or representation as to any matter within its jurisdiction.

(Instructions on page 2)

JUL 28 2008

DIV. OF OIL, GAS &amp; MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
BIA-EDA-20G0005608

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Venting Gas</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Bill Barrett Corporation (BBC) was informed by Questar that they plan to perform planned maintenance on their pipeline the week of October 13, 2008. Questar told BBC that we not transport gas for all of Cedar Rim properties for 3-4 days (gas production). BBC request permission to vent the following locations during this time: 5-21-36 BTR, 5-23-36 BTR; 14-29-36 BTR, 14-30-36 BTR, 5-5-46 BTR, 12-36-36 BTR; and the 7-7-46 BTR.

COPY SENT TO OPERATOR

Date: 10.14.2008  
Initials: KS

RECEIVED

SEP 23 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

Date 09/18/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Pet-Eng.

Date

10/7/08

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Dogum

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
BIA-EDA-2OG0005608  
6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Bill Barrett Corporation

3a. Address  
1099 18th Street, Suite 2300, Denver, CO 80202

3b. Phone No. (include area code)  
(303) 312-8546

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
# 7-7-46 BTR

9. API Well No.  
43-013-33565

10. Field and Pool or Exploratory Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2323' FSL x 2465' FEL  
NW/4, SE/4, Section 7, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Venting Gas
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Bill Barrett Corporation (BBC) was informed by Questar that they plan to perform planned maintenance on their pipeline starting in the late afternoon on October 26, 2008. Questar told BBC that we not transport gas for all of Cedar Rim properties for 3-4 days (gas production). BBC request permission to vent the following locations during this time: 5-21-36 BTR, 5-23-36 BTR; 14-29-36 BTR, 14-30-36 BTR, 5-5-46 BTR, 12-36-36 BTR, and the 7-7-46 BTR.

BBC's previous request dated September 18, 2008 and for the week of October 13, 2008 never occurred.

COPY SENT TO OPERATOR

Date: 11.25.2008

Initials: KS

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

Date 10/27/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Pet. Eng.

Office

Down

Federal Approval of This  
Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

OCT 29 2008

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 2OG0005608
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-7-46BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2323 FSL 2465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 07 Township: 04.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013335650000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2323 FSL 2465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 07 Township: 04.0S Range: 06.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2323 FSL 2465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 07 Township: 04.0S Range: 06.0W Meridian: U		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/26/2008	OTHER: <input type="text" value="Correction to lease num"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> This Sundry is being submitted to indicate that the lease for this section has been earned. The correct lease number is 14-20-H62-5671. Please update your information with this lease.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> August 12, 2010		
<b>NAME (PLEASE PRINT)</b> Tracey Fallang	<b>PHONE NUMBER</b> 303 312-8134	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/11/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-5671
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 7-7-46BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2323 FSL 2465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 07 Township: 04.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013335650000
<b>5. FIELD and POOL or WILDCAT:</b> ALTAMONT		<b>6. COUNTY:</b> DUCHESNE
<b>7. STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/31/2017</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well was shut in on 6/1/15 due to low production & low commodity prices. On 5/30/16 the well will be SI for 1 year. Current economics do not justify returning the well to production. For this reason BBC is requesting an additional 1 year shut in, before a MIT is required, until 5/31/17. Well currently has 10 psi tubing, 1204 psi on 5-1/2" csg, 6 psi Braden Head. With minimal to zero Braden Head pressure & 1204 psi csg pressure, it is evident that the 5-1/2" prod csg has full integrity & all formations are protected. Fluid level is at surface because this well is on hydraulic jet lift & has a packer set at 6400'. TOC at 1500ft. The well is SI at the wellhead & all surface equipment has been drained/winterized. Well is still on an active lease operator route & is checked frequently for any for any surface & potential downhole issues. Well would be RTP if economics allow before 5/31/17

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**

**Date:** May 04, 2016

**By:** *Dark Duff*

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/12/2016	